

INVENTOR SEARCH

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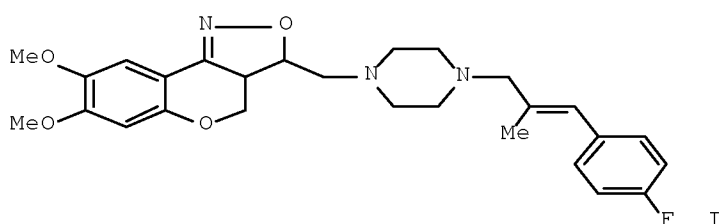
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L1 1 SEA FILE=CAPLUS ABB=ON US2005-524989/AP
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 L13 12 SEA FILE=CAPLUS ABB=ON L12
 L14 1263 SEA FILE=CAPLUS ABB=ON ANDRES GIL J?/AU OR ANDRES J?/AU OR
 GIL J?/AU
 L15 52 SEA FILE=CAPLUS ABB=ON ALCAZAR VACA M?/AU OR ALCAZAR M?/AU OR
 VACA M?/AU
 L16 152 SEA FILE=CAPLUS ABB=ON MATESANZ BALLESTEROS M?/AU OR MATESANZ
 M?/AU OR BALLESTEROS M?/AU
 L17 258 SEA FILE=CAPLUS ABB=ON BAKKER M?/AU
 L18 85 SEA FILE=CAPLUS ABB=ON MEGENS A?/AU
 L19 10 SEA FILE=CAPLUS ABB=ON (L1 OR L14 OR L15 OR L16 OR L17 OR
 L18) AND L13

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L19 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:474148 CAPLUS Full-text
 DOCUMENT NUMBER: 146:492615
 TITLE: Tricyclic isoxazolines: Identification of R226161 as a
 potential new antidepressant that combines potent
 serotonin reuptake inhibition and α 2-
 adrenoceptor antagonism
 AUTHOR(S): Andres, J. Ignacio; Alcazar, Jesus; Alonso,
 Jose M.; Alvarez, Rosa M.; Bakker, Margot H.
 ; Biesmans, Ilse; Cid, Jose M.; De Lucas, Ana I.;
 Drinkenburg, Wilhelmus; Fernandez, Javier; Font, Luis
 M.; Iturrino, Laura; Langlois, Xavier; Lenaerts, Ilse;
 Martinez, Sonia; Megens, Anton A.; Pastor,

CORPORATE SOURCE: Joaquin; Pullan, Shirley; Steckler, Thomas
 Research & Early Development-EU, CNS-Psychiatry,
 Division of Janssen-Cilag, Medicinal Chemistry
 Department, Johnson & Johnson Pharmaceutical Research
 & Development, Toledo, 45007, Spain
 SOURCE: Bioorganic & Medicinal Chemistry (2007), 15(11),
 3649-3660
 CODEN: BMECEP; ISSN: 0968-0896
 PUBLISHER: Elsevier Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 146:492615
 GI



AB In previous articles we have described the discovery of a new series of tricyclic isoxazolines combining central serotonin (5-HT) reuptake inhibition with α 2-adrenoceptor antagonistic activity. We report now on the synthesis, the in vitro binding potency and the primary in vivo activity of six enantiomers within this series, one of which was selected for further pharmacol. evaluation and assigned as R226161 (I). Some addnl. in vivo studies in rats are described with this compound, which proved to be centrally and orally active as a combined 5-HT reuptake inhibitor and α 2-adrenoceptor antagonist.

IT 452313-46-1P 452313-65-4P 452313-68-7P
 452313-71-2P 452314-01-1P 452318-73-9P
 452318-75-1P 722545-47-3P 936362-34-4P

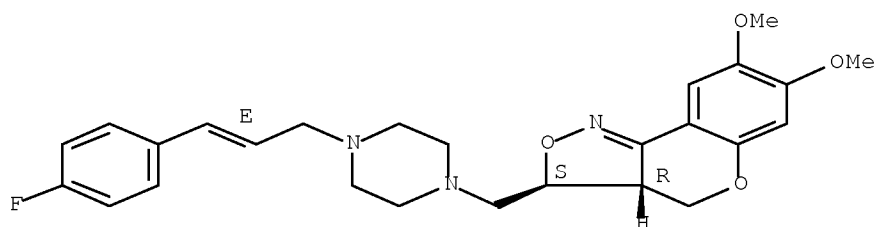
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(Tricyclic isoxazolines: Identification of R226161 as a potential new antidepressant that combines potent serotonin reuptake inhibition and α 2-adrenoceptor antagonism)

RN 452313-46-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3S,3aR)-rel-(-)-(CA INDEX NAME)

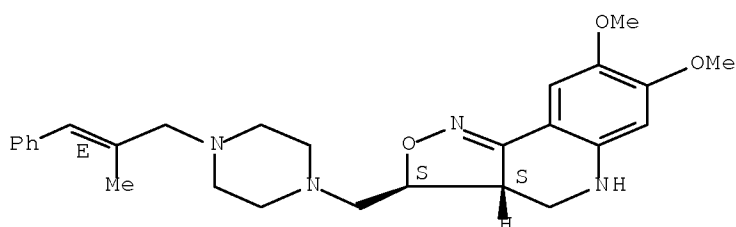
Rotation (-). Absolute stereochemistry unknown.
 Double bond geometry as shown.



RN 452313-65-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

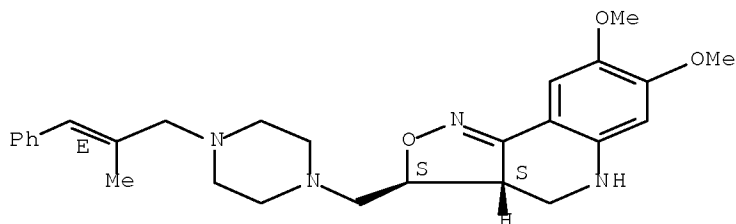
Relative stereochemistry.
Double bond geometry as shown.



RN 452313-68-7 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aR)-rel-(+)- (CA INDEX NAME)

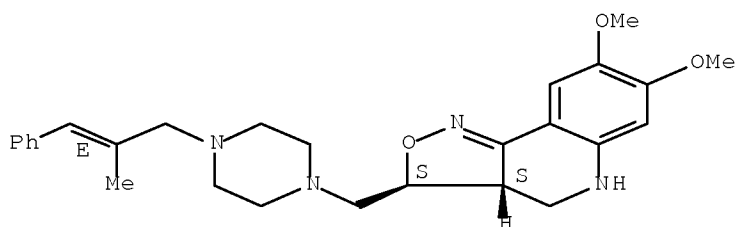
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-71-2 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3S,3aS)-rel-(-)- (CA INDEX NAME)

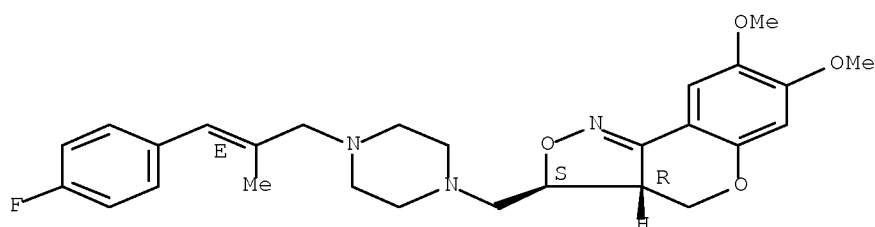
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452314-01-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(+)- (CA INDEX NAME)

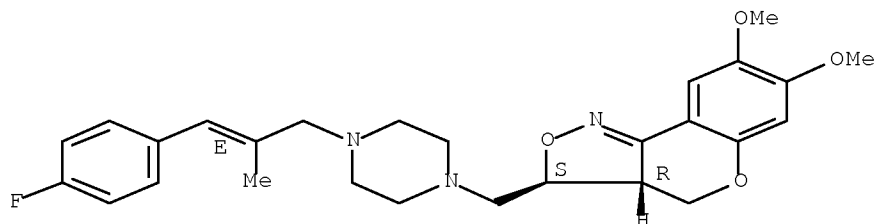
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-73-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

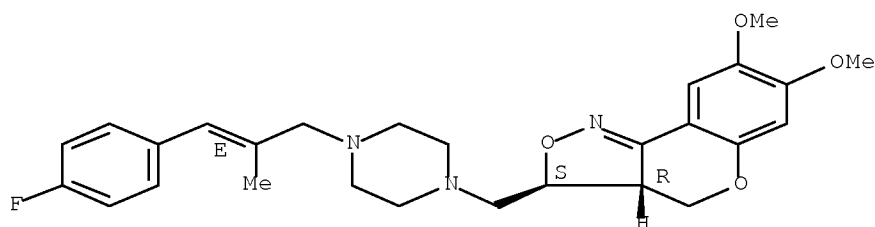
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-75-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3S,3aR)-rel-(-)- (CA INDEX NAME)

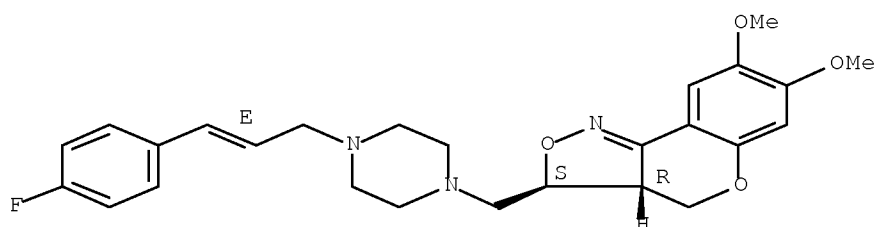
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 722545-47-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

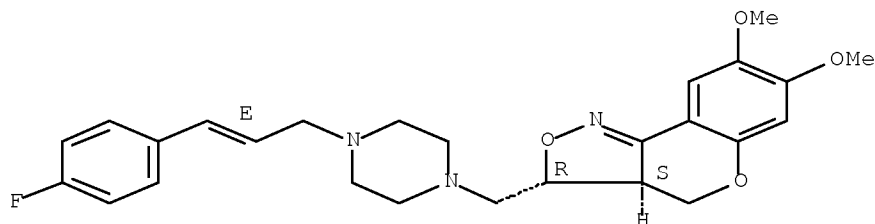
Relative stereochemistry.
Double bond geometry as shown.



RN 936362-34-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



IT 452313-36-9 452318-26-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

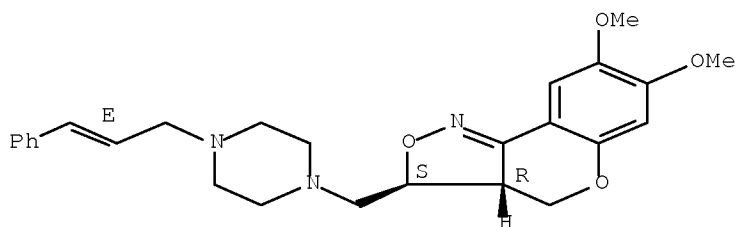
(Tricyclic isoxazolines: Identification of R226161 as a potential new antidepressant that combines potent serotonin reuptake inhibition and α 2-adrenoceptor antagonism)

RN 452313-36-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

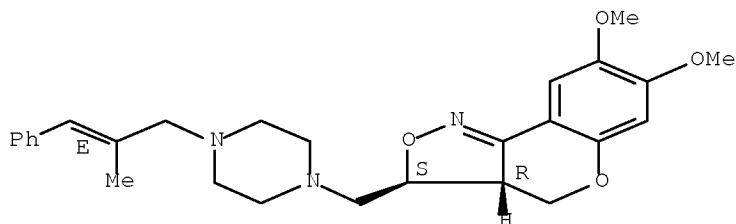
NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452318-26-2 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:505909 CAPLUS [Full-text](#)
DOCUMENT NUMBER: 145:95782
TITLE: Synthesis of 7-amino-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazole derivatives displaying combined α 2-adrenoceptor antagonistic and 5-HT reuptake inhibiting activities
AUTHOR(S): Andres, J. Ignacio; Alcazar, Jesus; Alonso, Jose M.; De Lucas, Ana I.; Iturrino, Laura; Biesmans, Ilse; Megens, Anton A.
CORPORATE SOURCE: Medicinal Chemistry Department, Division of Janssen-Cilag, Johnson & Johnson Pharmaceutical Research and Development, Toledo, 45007, Spain
SOURCE: Bioorganic & Medicinal Chemistry (2006), 14(13), 4361-4372
CODEN: BMECEP; ISSN: 0968-0896
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 145:95782

AB Following a program searching for dual 5-HT reuptake inhibitors and α 2-adrenoceptor antagonists started at Johnson & Johnson Pharmaceutical Research & Development, we now report on the synthesis of a series of 7-amino-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazole derivs., some of which proved to be the most potent α 2-adrenoceptor blockers within this chemical class of tricyclic isoxazolines, while keeping potent 5-HT reuptake inhibiting activity.

IT 612074-52-9P 612074-56-3P 612074-57-4P
 612074-68-7P 612074-81-4P 612074-88-1P
 612074-89-2P 612074-90-5P 612074-92-7P
 612074-93-8P 612074-94-9P 612074-95-0P
 612074-98-3P 612074-99-4P 612075-02-2P
 612075-03-3P 612075-07-7P 612075-09-9P
 612075-10-2P 612075-11-3P 612075-12-4P
 612075-13-5P 612075-15-7P 612075-88-4P
 770707-27-2P 895169-63-8P 895169-64-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

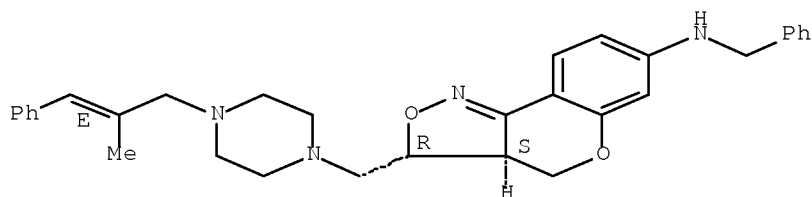
(benzopyranisoxazole derivs. displaying combined α 2-adrenoceptor antagonistic and 5-HT reuptake inhibiting activities)

RN 612074-52-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-(phenylmethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

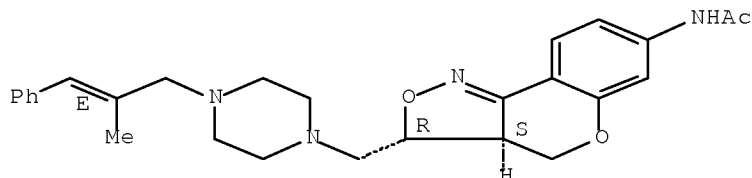


RN 612074-56-3 CAPLUS

CN Acetamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

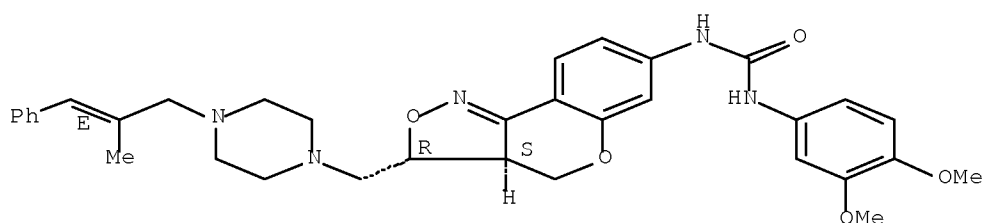


RN 612074-57-4 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(3,4-

dimethoxyphenyl)-, rel- (9CI) (CA INDEX NAME)

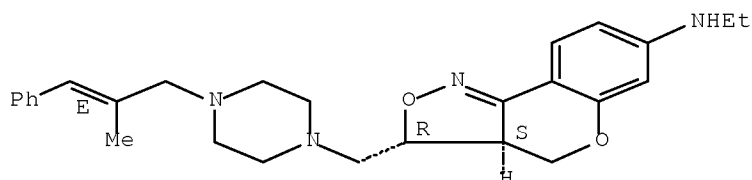
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-68-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-ethyl-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

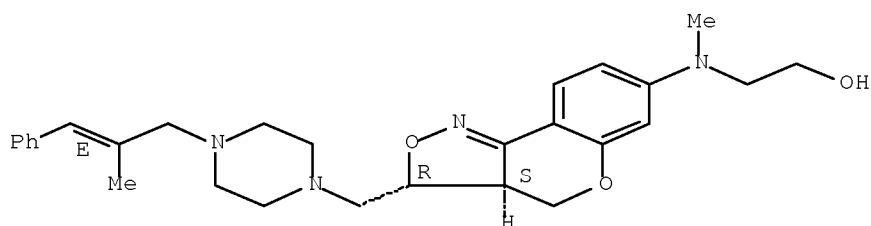
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-81-4 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

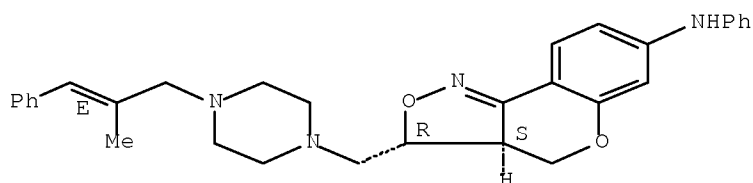
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-88-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-phenyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

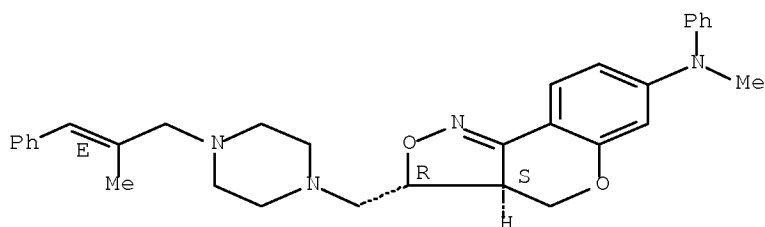
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-89-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-phenyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

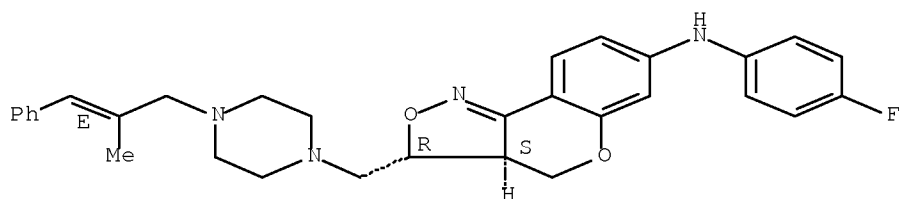
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-90-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(4-fluorophenyl)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

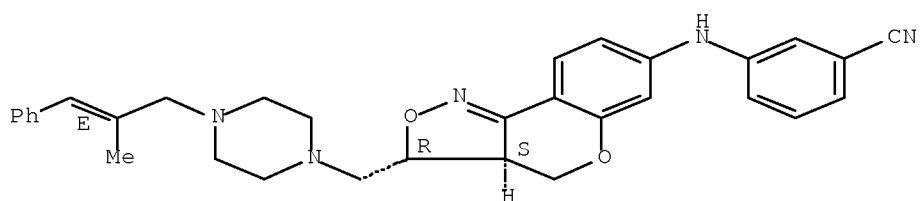
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-92-7 CAPLUS

CN Benzonitrile, 3-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]-, rel- (9CI) (CA INDEX NAME)

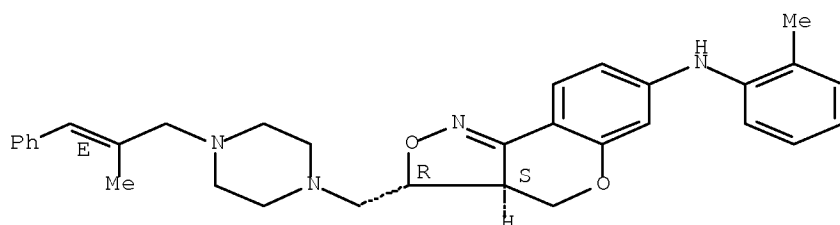
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-93-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-(2-methylphenyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

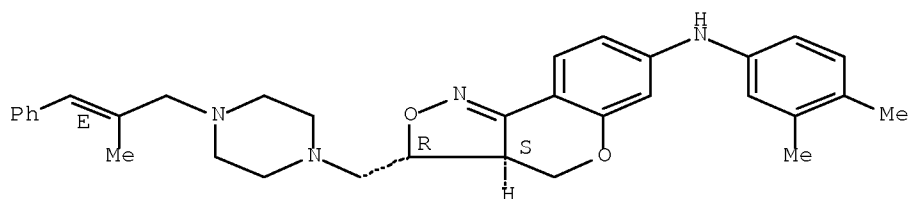
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-94-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(3,4-dimethylphenyl)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

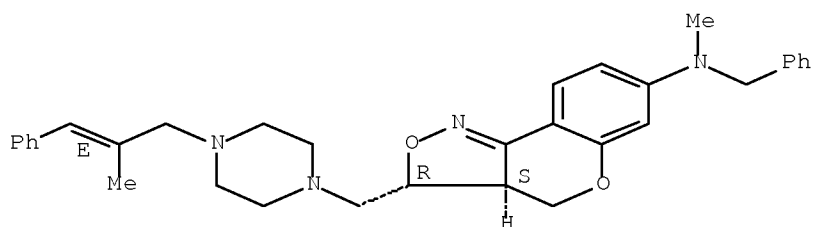
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-95-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-(phenylmethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

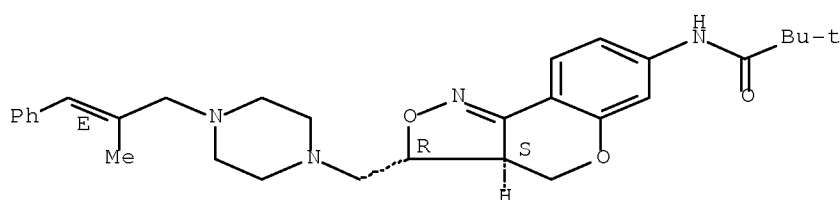
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-98-3 CAPLUS

CN Propanamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2,2-dimethyl-, rel- (9CI) (CA INDEX NAME)

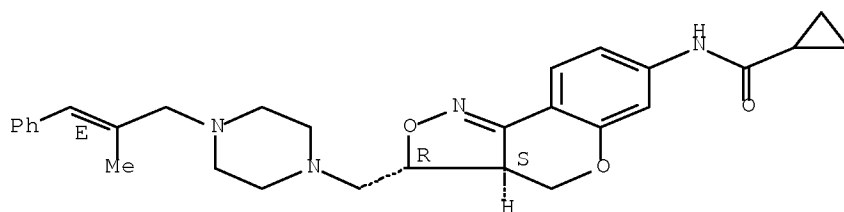
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-99-4 CAPLUS

CN Cyclopropanecarboxamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

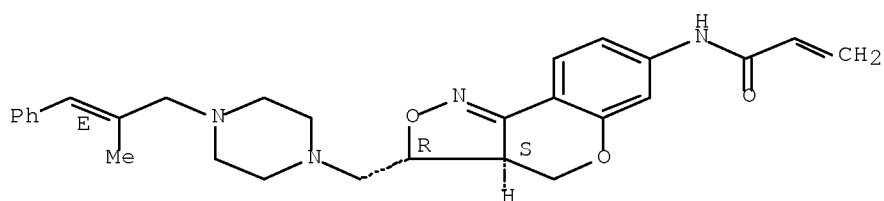
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-02-2 CAPLUS

CN 2-Propenamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

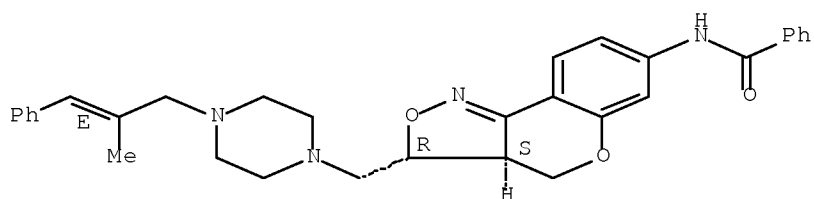
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-03-3 CAPLUS

CN Benzamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

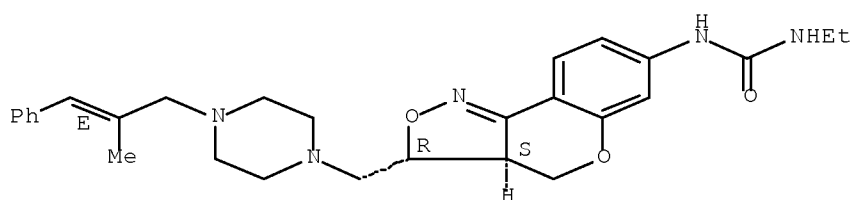
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-07-7 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-ethyl-, rel- (9CI) (CA INDEX NAME)

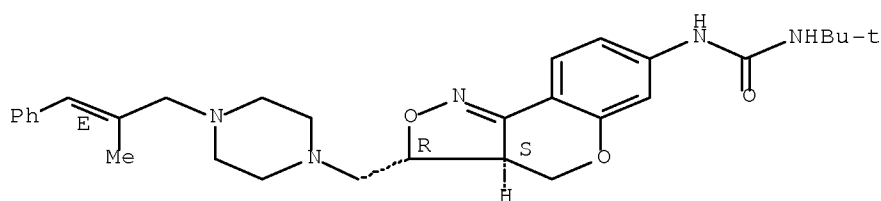
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-09-9 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(1,1-dimethylethyl)-, rel- (9CI) (CA INDEX NAME)

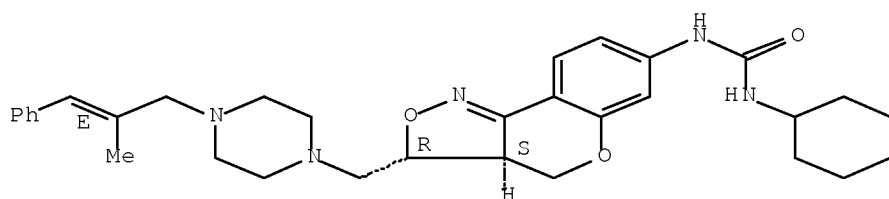
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-10-2 CAPLUS

CN Urea, N-cyclohexyl-N'-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

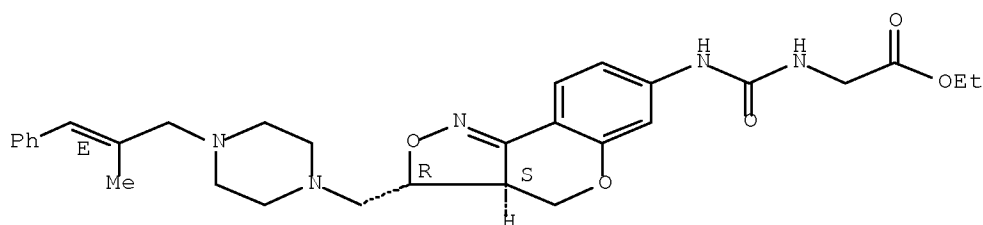
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-11-3 CAPLUS

CN Glycine, N-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]carbonyl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

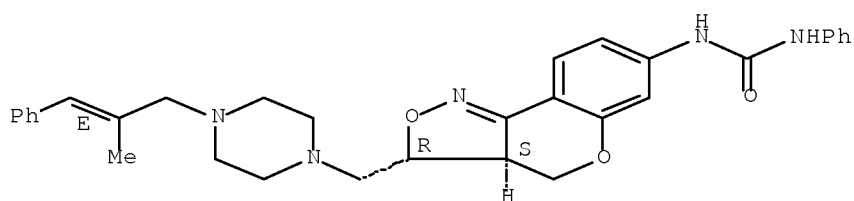
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-12-4 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-phenyl-, rel- (9CI) (CA INDEX NAME)

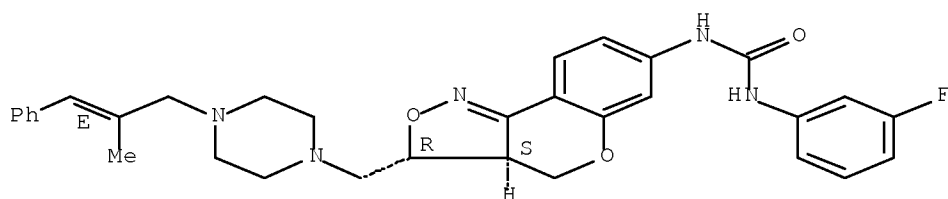
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-13-5 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(3-fluorophenyl)-, rel- (9CI) (CA INDEX NAME)

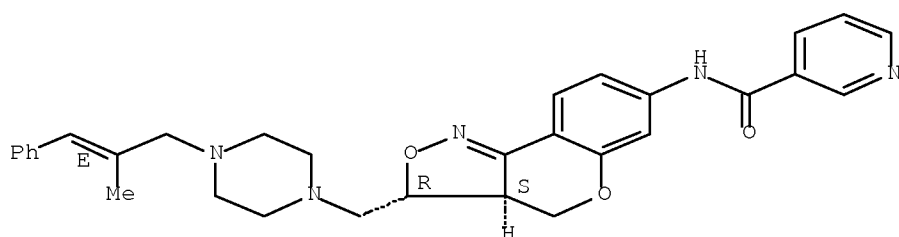
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-15-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

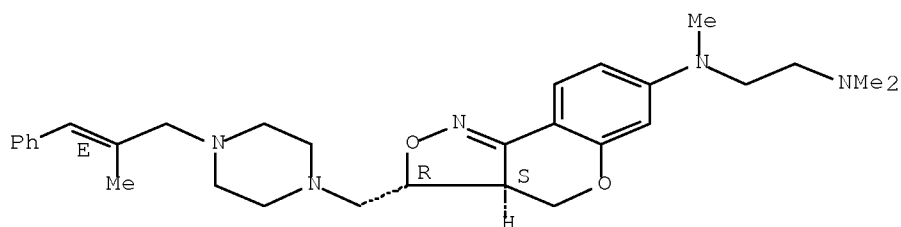
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-88-4 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)

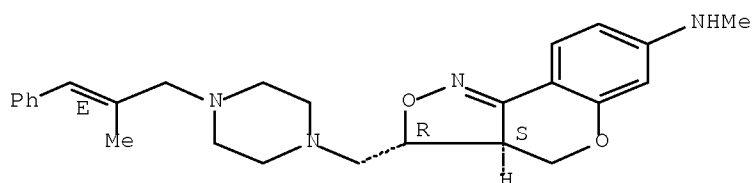
Relative stereochemistry.
Double bond geometry as shown.



RN 770707-27-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

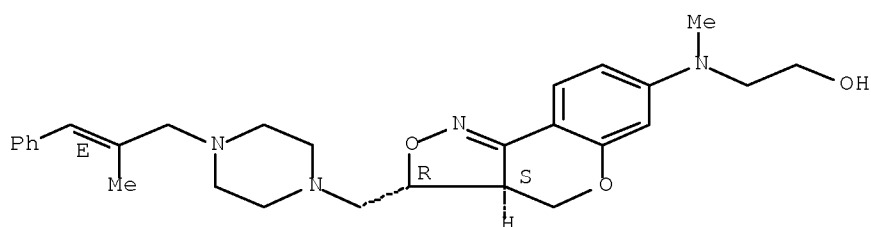
Relative stereochemistry.
Double bond geometry as shown.



RN 895169-63-8 CAPLUS

CN Ethanol, 2-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]- (9CI) (CA INDEX NAME)

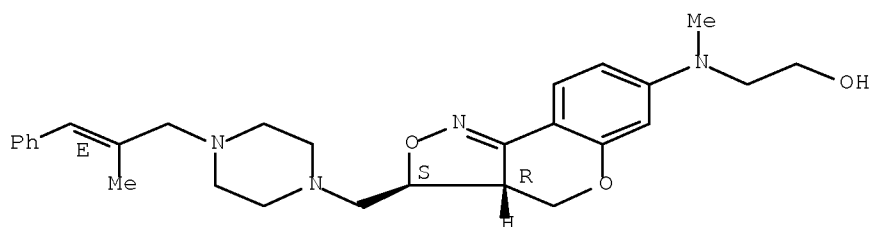
Absolute stereochemistry.
Double bond geometry as shown.



RN 895169-64-9 CAPLUS

CN Ethanol, 2-[[(3S,3aR)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



IT 452318-26-2 452319-41-4

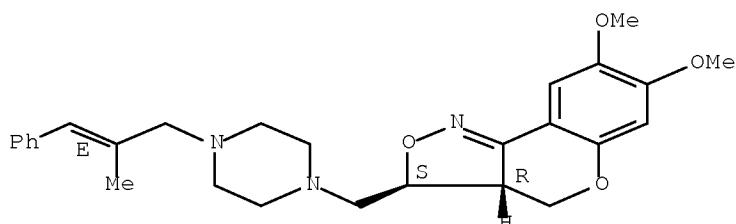
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(benzopyranoisoxazole derivs. displaying combined $\alpha 2$ -adrenoceptor antagonistic and 5-HT reuptake inhibiting activities)

RN 452318-26-2 CAPLUS

3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-
(CA INDEX NAME)

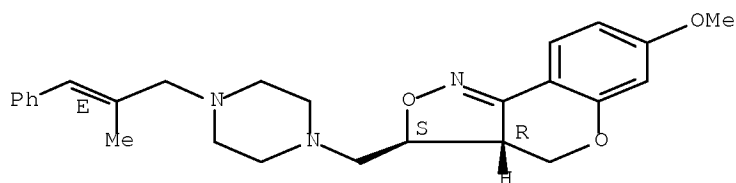
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-41-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



IT 452319-29-8P 612074-55-2P 895169-62-7P

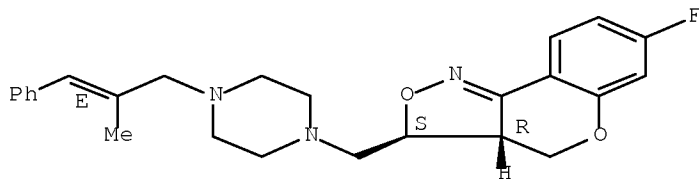
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(benzopyranoisoxazole derivs. displaying combined $\alpha 2$ -adrenoceptor antagonistic and 5-HT reuptake inhibiting activities)

RN 452319-29-8 CAPLUS

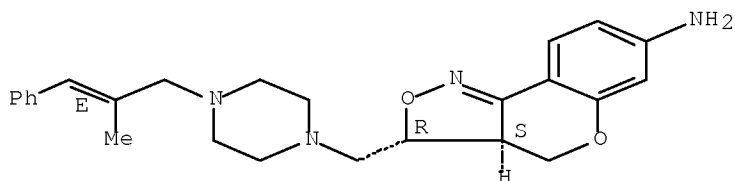
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-fluoro-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



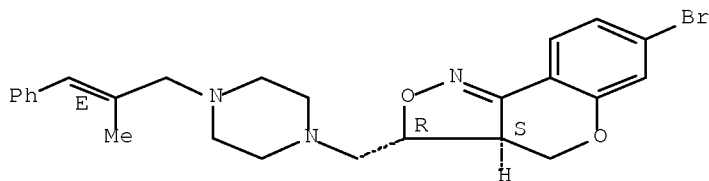
RN 612074-55-2 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 895169-62-7 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-bromo-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:920735 CAPLUS Full-text
DOCUMENT NUMBER: 142:219240
TITLE: Discovery of a New Series of Centrally Active Tricyclic Isoxazoles Combining Serotonin (5-HT)

Reuptake Inhibition with $\alpha 2$ -Adrenoceptor
Blocking Activity

AUTHOR(S): Andres, J. Ignacio; Alcazar, Jesus; Alonso,
Jose M.; Alvarez, Rosa M.; Bakker, Margot H.
; Biesmans, Ilse; Cid, Jose M.; De Lucas, Ana I.;
Fernandez, Javier; Font, Luis M.; Hens, Koen A.;
Iturrino, Laura; Lenaerts, Ilse; Martinez, Sonia;
Megens, Anton A.; Pastor, Joaquin; Vermote,
Patrick C. M.; Steckler, Thomas

CORPORATE SOURCE: Johnson Johnson Pharmaceutical Research Development
Division of Janssen-Cilag Medicinal Chemistry dept.,
Jarama s/n, Toledo, 45007, Spain

SOURCE: Journal of Medicinal Chemistry (2005), 48(6),
2054-2071
CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 142:219240

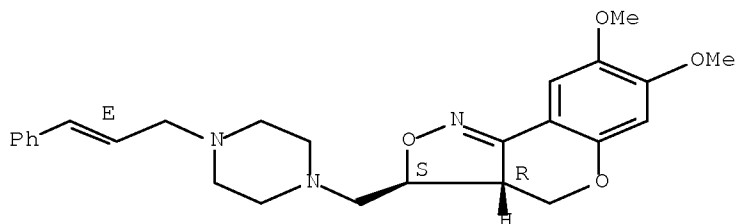
AB The synthesis and pharmacol. of a new series of 3-piperazinylmethyl-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles that combine central serotonin (5-HT) reuptake inhibition with $\alpha 2$ -adrenoceptor blocking activity is described as potential antidepressants. Four compds. were selected for further evaluation, and the combination of both activities was found to be stereoselective, residing mainly in one enantiomer. Reversal of the loss of righting induced by the $\alpha 2$ -agonist medetomidine in rats confirmed the $\alpha 2$ -adrenoceptor blocking activity in vivo and also demonstrated CNS penetration. Antagonism of p-chloroamphetamine (pCA)-induced excitation as well as blockade of the neuronal 5-HT depletion induced by p-CA administration in rats confirmed their ability to block the central 5-HTT, even after oral administration. Replacement of the oxygen atom at the 5-position of the tricyclic scaffold by a nitrogen or a carbon atom, as well as O-substitution at position 7, led also to active compds., both in vitro and in vivo.

IT 452313-54-1P 452318-20-6P 452318-95-5P
608146-13-0P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of centrally active tricyclic isoxazoles combining 5-HT reuptake inhibition with $\alpha 2$ -adrenoceptor blocking activity)

RN 452313-54-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

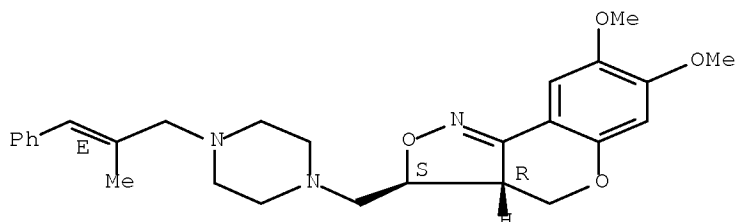
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-20-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)-(9CI) (CA INDEX NAME)

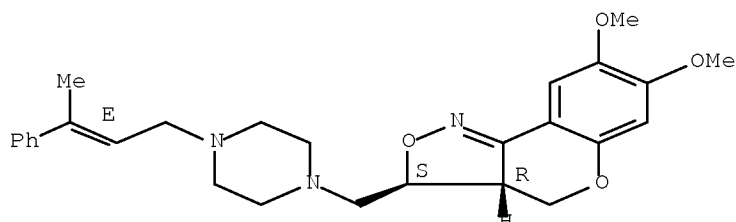
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-95-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)-(9CI) (CA INDEX NAME)

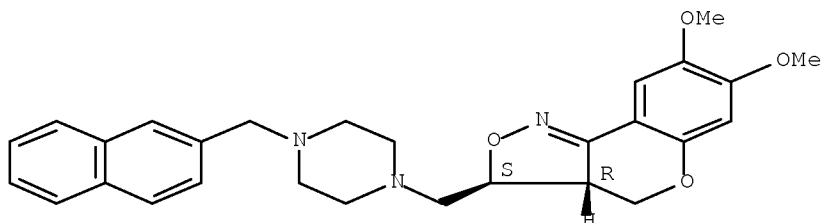
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 608146-13-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)-(CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.



IT 452319-41-4

RL: PAC (Pharmacological activity); RCT (Reactant); BIOL (Biological study); RACT (Reactant or reagent)

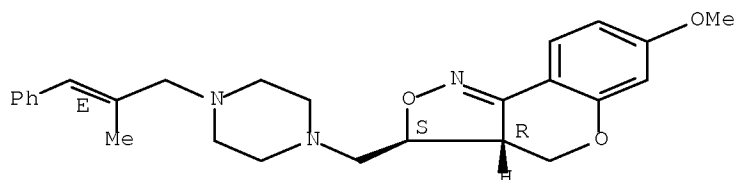
(preparation of centrally active tricyclic isoxazoles combining 5-HT reuptake inhibition with $\alpha 2$ -adrenoceptor blocking activity)

RN 452319-41-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



IT 452313-65-4P 452319-33-4P 452320-36-4P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

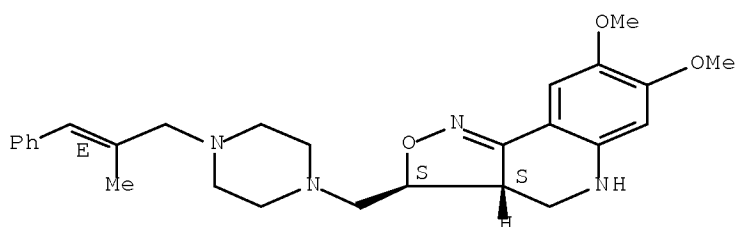
(preparation of centrally active tricyclic isoxazoles combining 5-HT reuptake inhibition with $\alpha 2$ -adrenoceptor blocking activity)

RN 452313-65-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

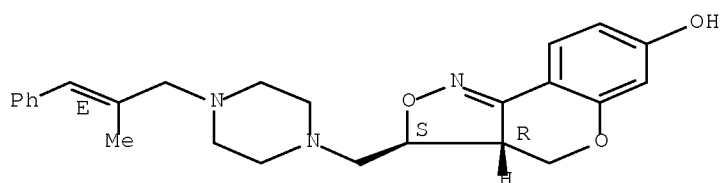


RN 452319-33-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

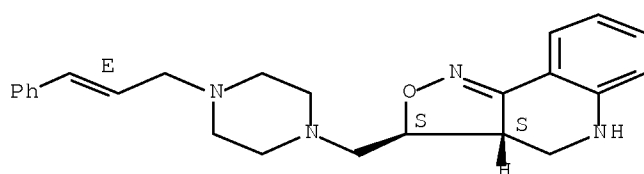
Double bond geometry as shown.



RN 452320-36-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



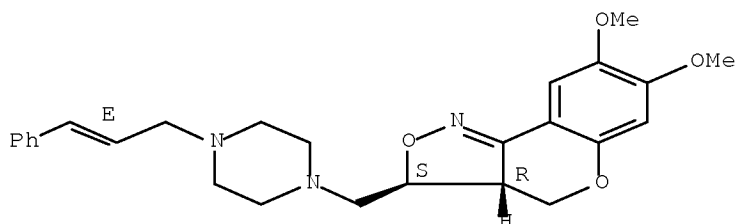
IT 452313-36-9P 452313-59-6P 452313-77-8P
452318-26-2P 452318-93-3P 452319-43-6P
452319-55-0P 452319-57-2P 452319-59-4P
452319-61-8P 452319-63-0P 452319-65-2P
452319-67-4P 452319-69-6P 452319-71-0P
452320-40-0P 452320-52-4P 452320-54-6P
452320-60-4P 452320-62-6P 452320-64-8P
452320-66-0P 452320-70-6P 452321-33-4P
452321-35-6P 452321-37-8P 452321-39-0P
452321-41-4P 789484-08-8P 815632-62-3P
815632-63-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of centrally active tricyclic isoxazoles combining 5-HT reuptake inhibition with α 2-adrenoceptor blocking activity)

RN 452313-36-9 CAPLUS

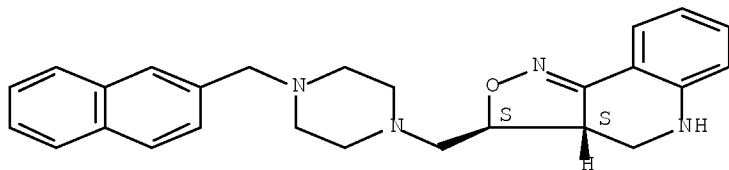
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



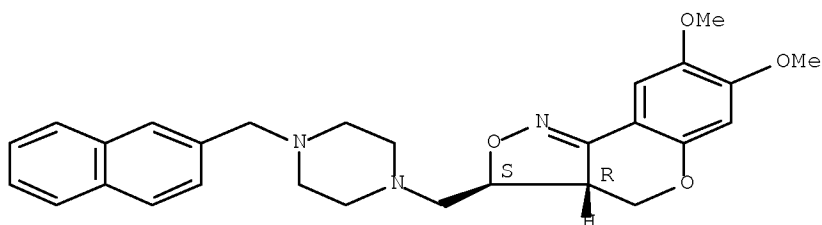
RN 452313-59-6 CAPLUS
 CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.



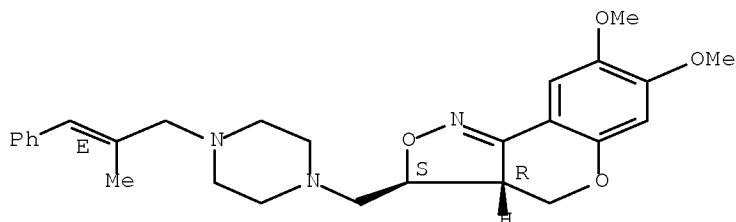
RN 452313-77-8 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 452318-26-2 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

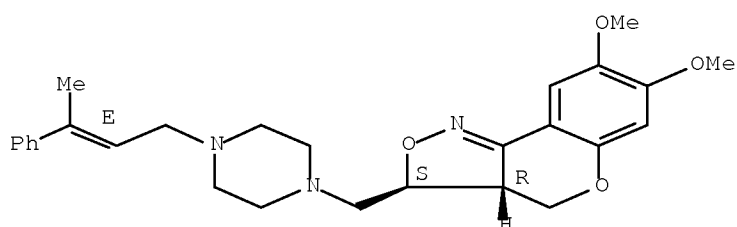
Relative stereochemistry.
 Double bond geometry as shown.



RN 452318-93-3 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

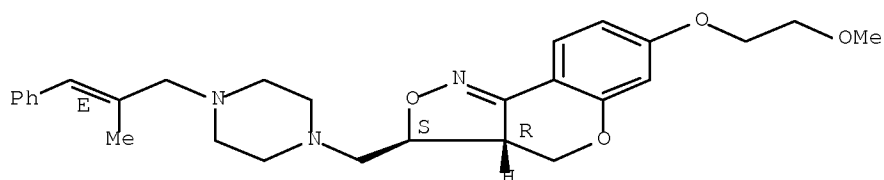


RN 452319-43-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-(2-methoxyethoxy)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

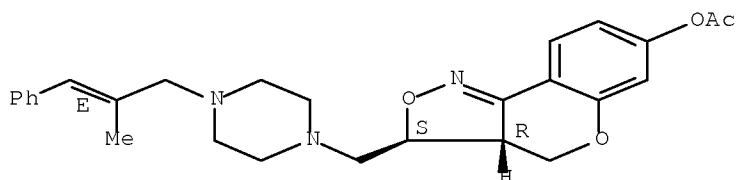


RN 452319-55-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

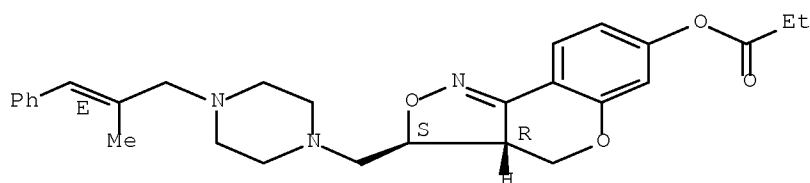


RN 452319-57-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, propanoate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

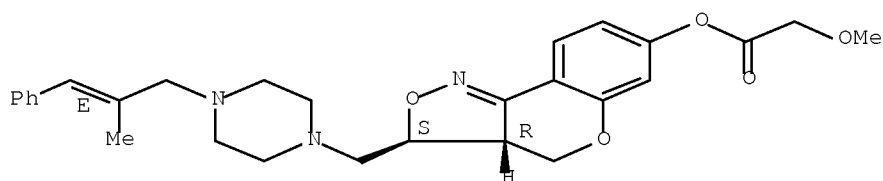
Double bond geometry as shown.



RN 452319-59-4 CAPLUS

CN Acetic acid, methoxy-, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

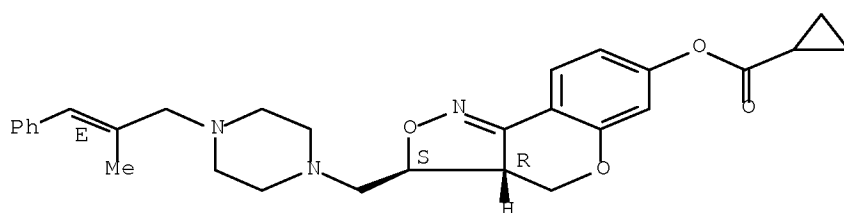
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-61-8 CAPLUS

CN Cyclopropanecarboxylic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

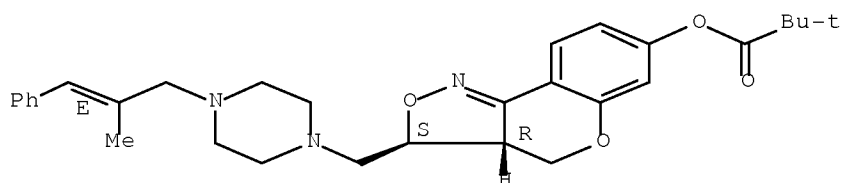
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-63-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

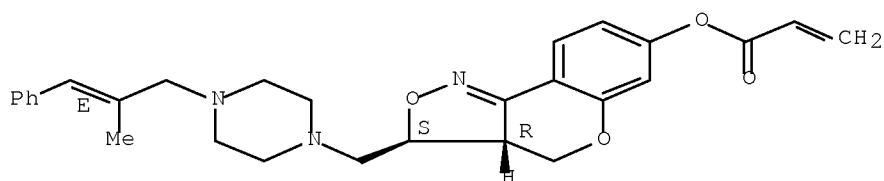
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-65-2 CAPLUS

CN 2-Propenoic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

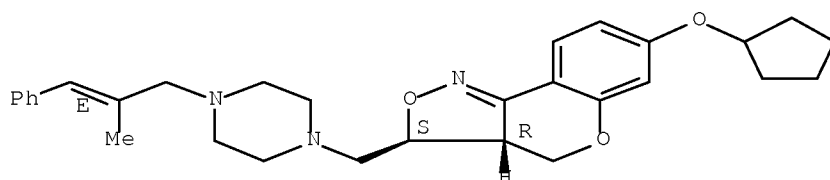
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-67-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(cyclopentyloxy)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

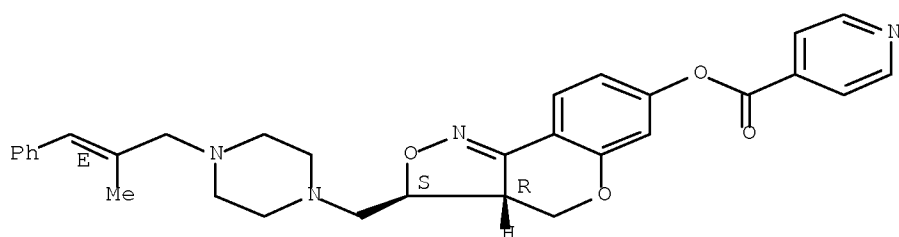
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-69-6 CAPLUS

CN 4-Pyridinecarboxylic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

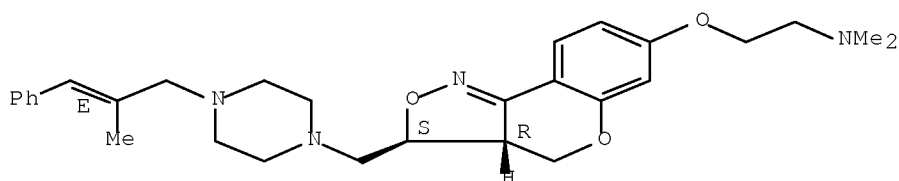
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-71-0 CAPLUS

CN Ethanamine, 2-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]oxy]-N,N-dimethyl-, rel- (9CI) (CA INDEX NAME)

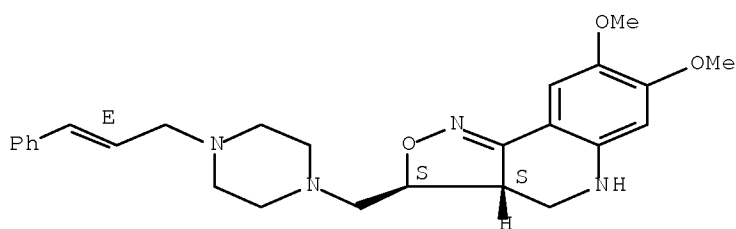
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-40-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

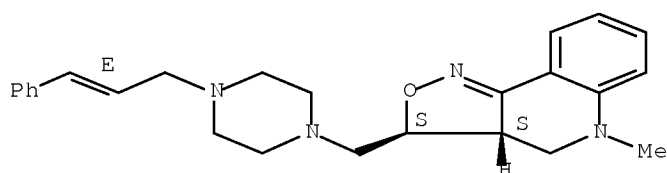
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-52-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-5-methyl-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

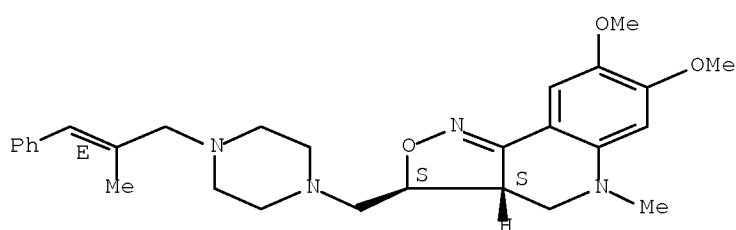
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-54-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-5-methyl-3-
[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-,
(3R,3aR)-rel- (9CI) (CA INDEX NAME)

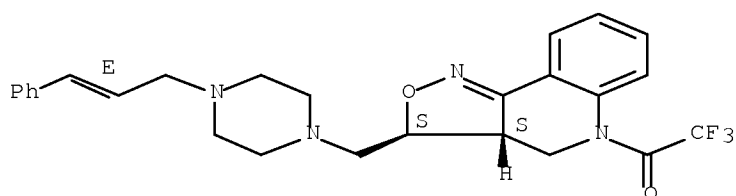
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-60-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-
propenyl]-1-piperazinyl]methyl]-5-(trifluoroacetyl)-, (3R,3aR)-rel- (9CI)
(CA INDEX NAME)

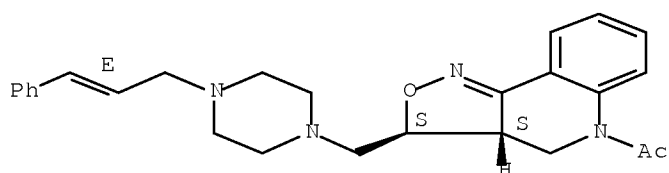
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-62-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 5-acetyl-3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-
phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX
NAME)

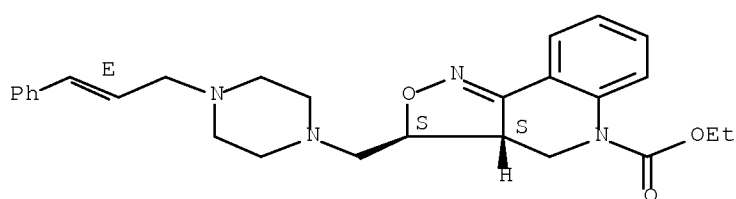
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-64-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline-5(3H)-carboxylic acid, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, ethyl ester, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

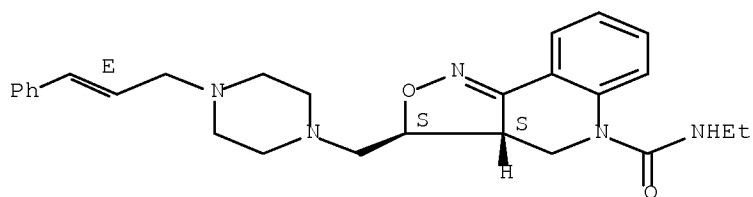
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-66-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline-5(3H)-carboxamide, N-ethyl-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

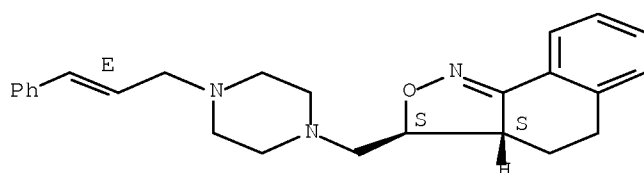
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-70-6 CAPLUS

CN Naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

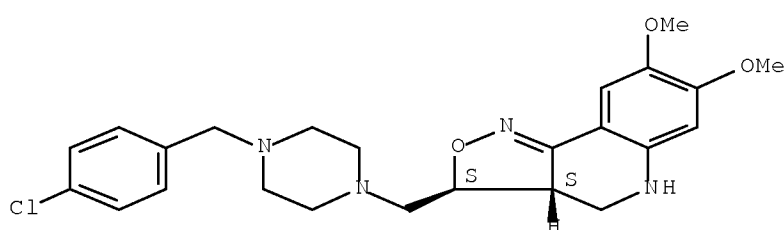
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-33-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(4-chlorophenyl)methyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (CA INDEX NAME)

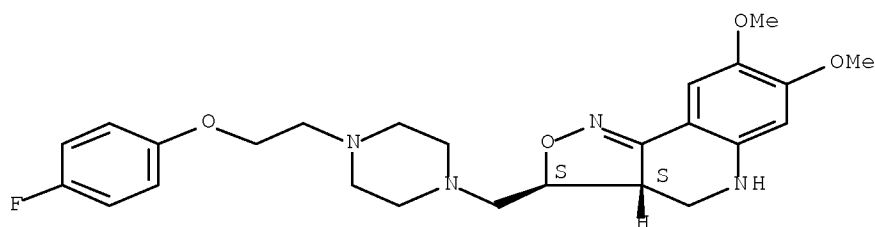
Relative stereochemistry.



RN 452321-35-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[2-(4-fluorophenoxy)ethyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

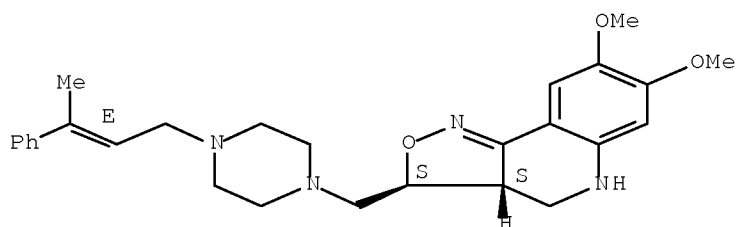


RN 452321-37-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

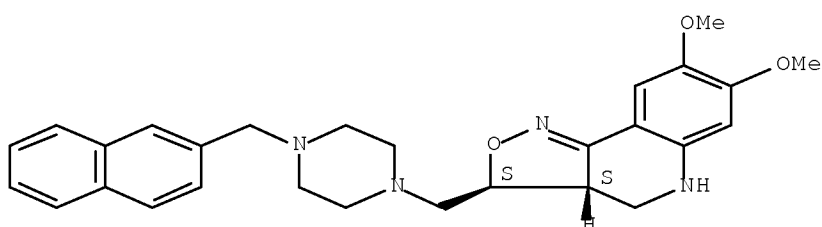
Double bond geometry as shown.



RN 452321-39-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

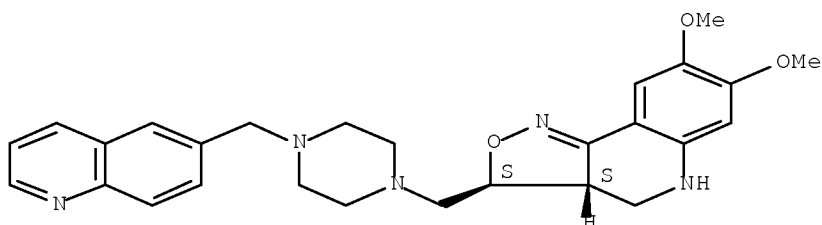
Relative stereochemistry.



RN 452321-41-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-(6-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

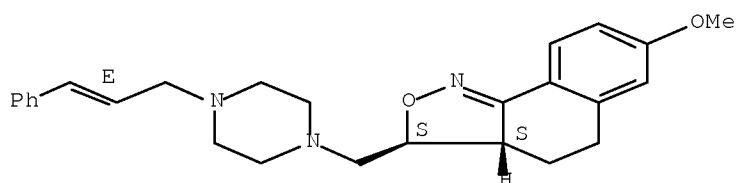


RN 789484-08-8 CAPLUS

CN Naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

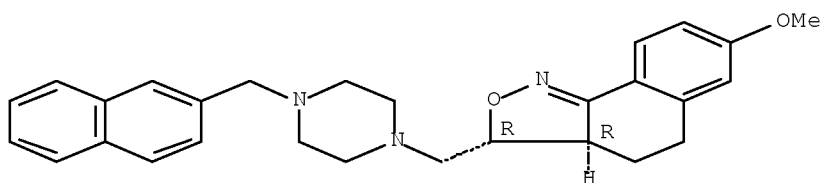
Double bond geometry as shown.



RN 815632-62-3 CAPLUS

CN Naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-7-methoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

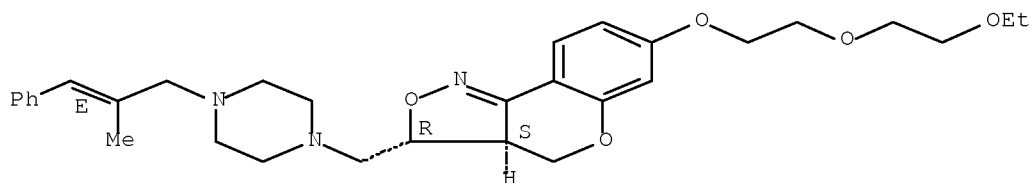


RN 815632-63-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-[2-(2-ethoxyethoxy)ethoxy]-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



IT 452313-56-3P 452318-24-0P 452318-97-7P
608146-12-9P

RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)

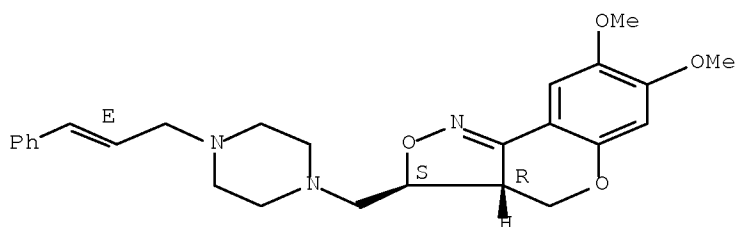
(preparation of centrally active tricyclic isoxazoles combining 5-HT reuptake inhibition with α 2-adrenoceptor blocking activity)

RN 452313-56-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

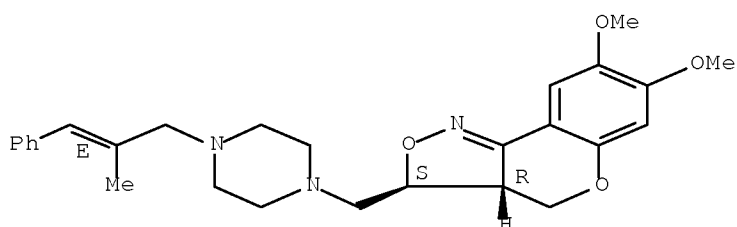
Double bond geometry as shown.



RN 452318-24-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)-(9CI) (CA INDEX NAME)

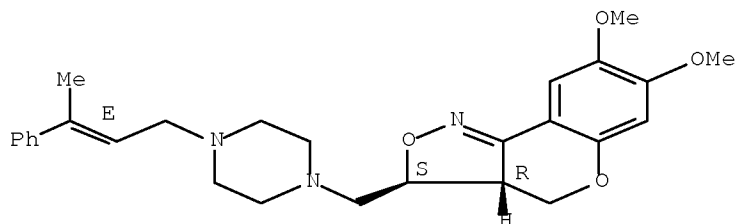
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-97-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)-(9CI) (CA INDEX NAME)

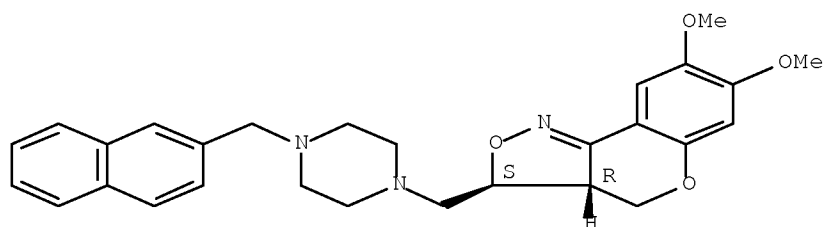
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 608146-12-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)-(9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.



REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:362586 CAPLUS Full-text

DOCUMENT NUMBER: 141:123602

TITLE: Synthesis of 3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles, displaying combined 5-HT uptake inhibiting and α 2-adrenoceptor antagonistic activities. Part 2: Further exploration on the cinnamyl moiety

AUTHOR(S): Pastor, Joaquin; Alcazar, Jesus; Alvarez, Rosa M.; Andres, J. Ignacio; Cid, Jose M.; De Lucas, Ana I.; Diaz, Adolfo; Fernandez, Javier; Font, Luis M.; Iturrino, Laura; Lafuente, Celia; Martinez, Sonia; Bakker, Margot H.; Biesmans, Ilse; Heylen, Lieve I.; Megens, Anton A.

CORPORATE SOURCE: Division of Janssen-Cilag, Medicinal Chemistry Department, Johnson & Johnson Pharmaceutical Research & Development, Toledo, 45007, Spain

SOURCE: Bioorganic & Medicinal Chemistry Letters (2004), 14(11), 2917-2922

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 141:123602

AB The synthesis of a series of 3-(4-cinnamyl-1-piperazinylmethyl)-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles, as novel dual 5-HT reuptake inhibitors and α 2-adrenoceptor antagonists is reported.

IT 452313-36-9P 452313-85-8P 452316-95-9P
452316-97-1P 452318-26-2P 452318-71-7P
452318-73-9P 452318-77-3P 452318-83-1P
452318-87-5P 452318-93-3P 452319-01-6P
452319-03-8P 452319-07-2P 452319-09-4P
452320-98-8P 452321-14-1P 452321-21-0P
452321-29-8P 452321-31-2P 722545-47-3P
722545-48-4P 722545-55-3P

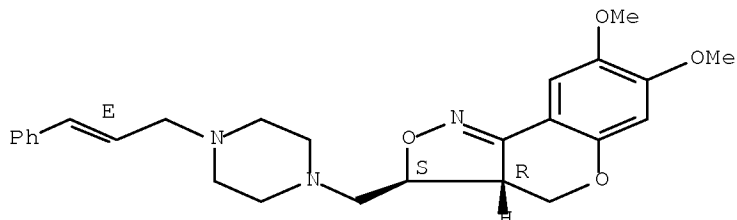
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of 3-(4-cinnamyl-1-piperazinylmethyl)-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles as combined 5-HT uptake inhibitors and α 2-adrenoceptor antagonists)

RN 452313-36-9 CAPLUS

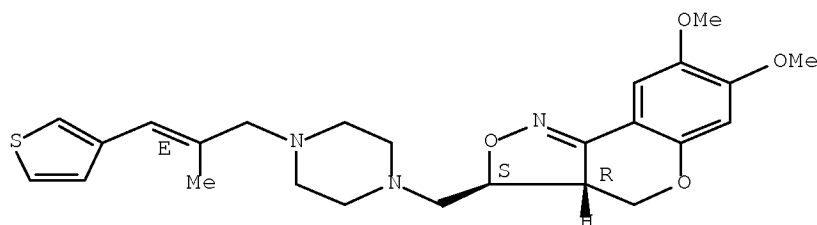
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



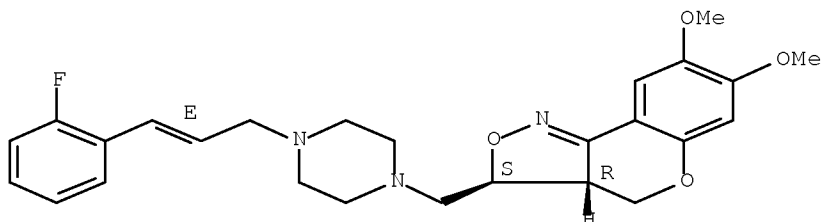
RN 452313-85-8 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(3-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452316-95-9 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

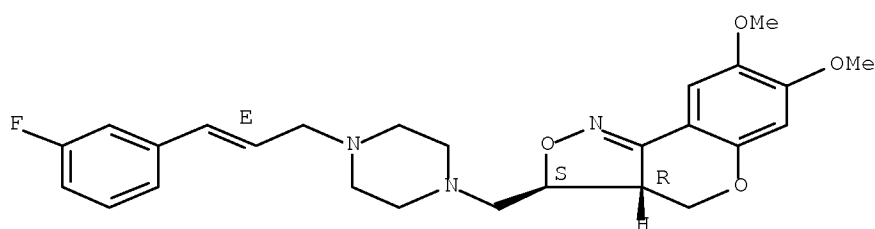
Relative stereochemistry.
Double bond geometry as shown.



RN 452316-97-1 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

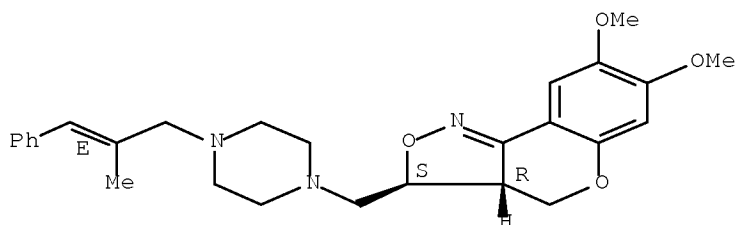


RN 452318-26-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

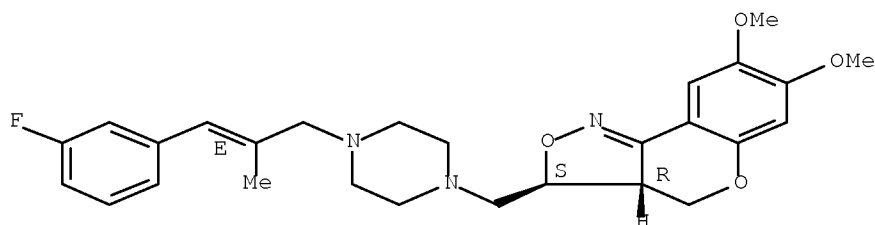


RN 452318-71-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

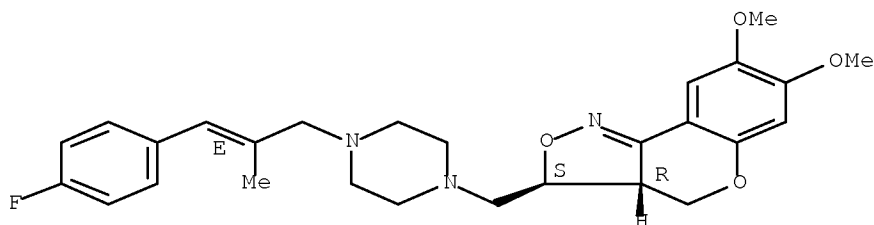


RN 452318-73-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

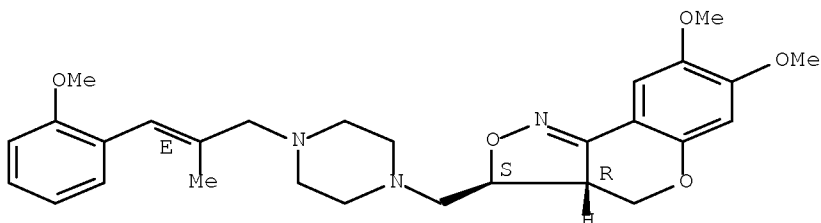
Double bond geometry as shown.



RN 452318-77-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methoxyphenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

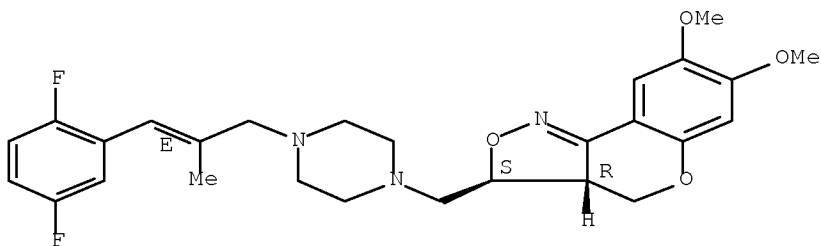
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-83-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,5-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

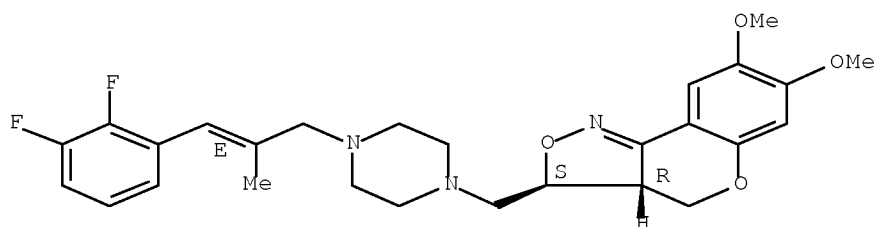
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-87-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,3-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

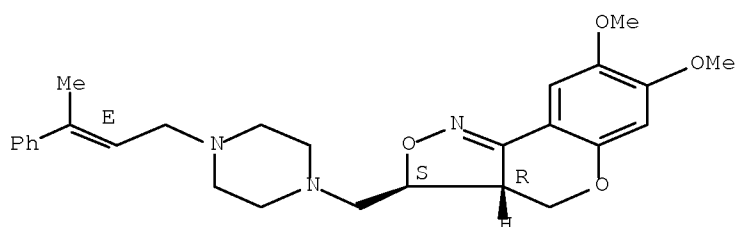
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-93-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

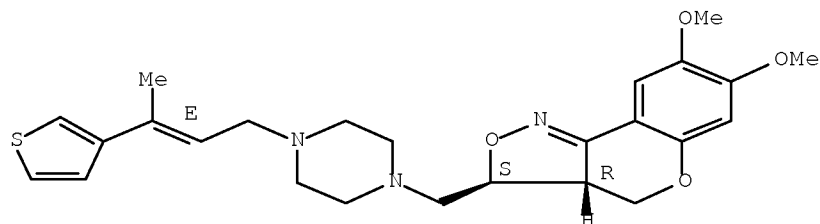
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-01-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-thienyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

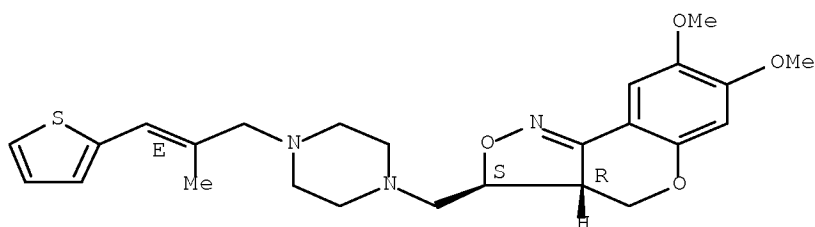
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-03-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(2-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

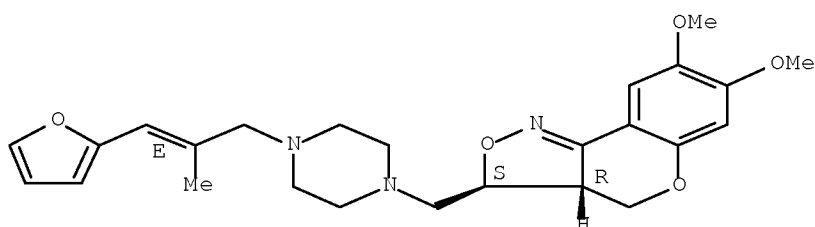
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-07-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-furanyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

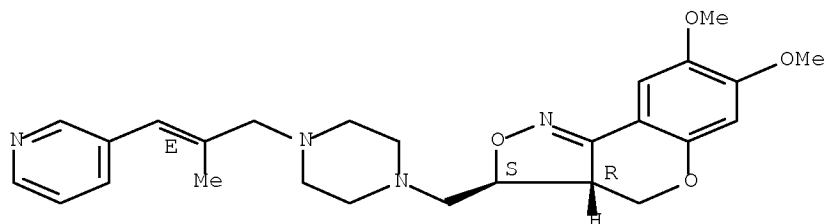
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-09-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(3-pyridinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

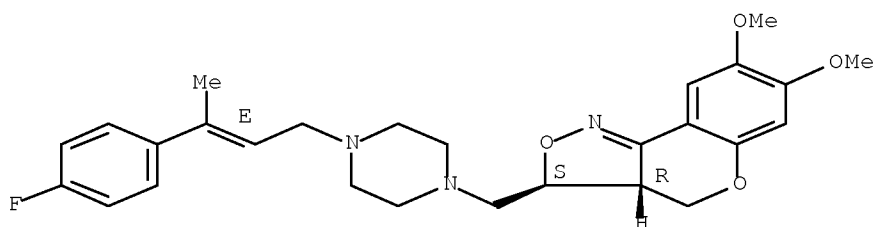
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-98-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

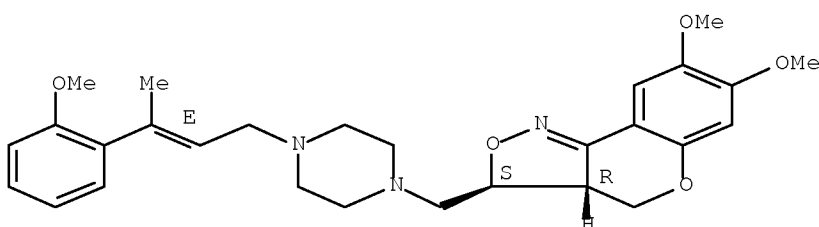
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-14-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methoxyphenyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

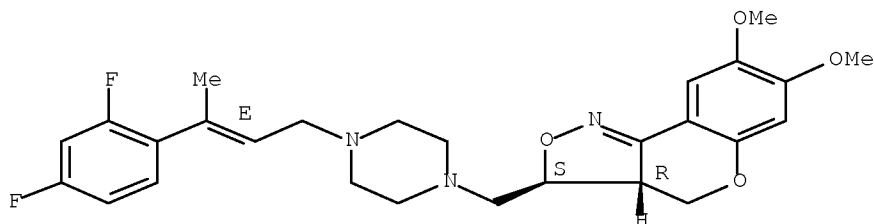
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-21-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,4-difluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

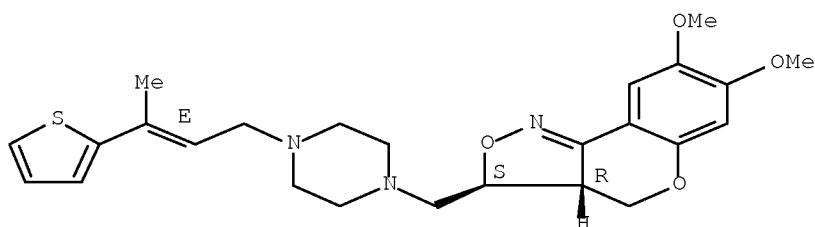
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-29-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-thienyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

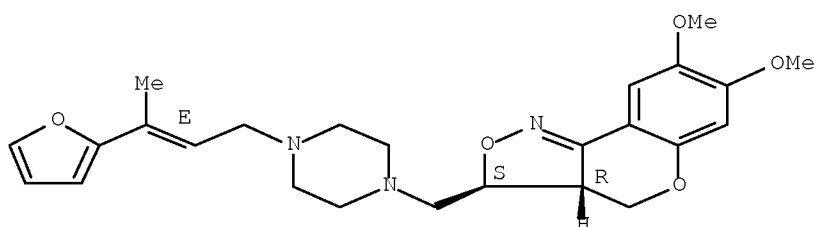
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-31-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-furanyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

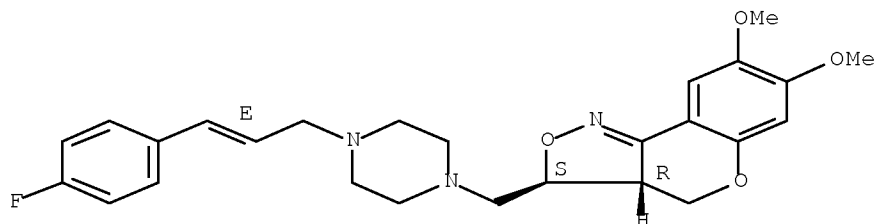
Relative stereochemistry.
Double bond geometry as shown.



RN 722545-47-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

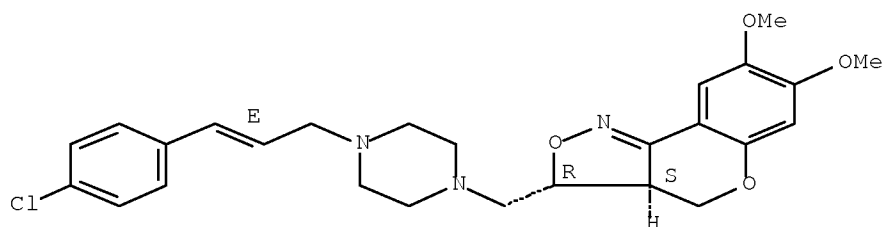
Relative stereochemistry.
Double bond geometry as shown.



RN 722545-48-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-chlorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

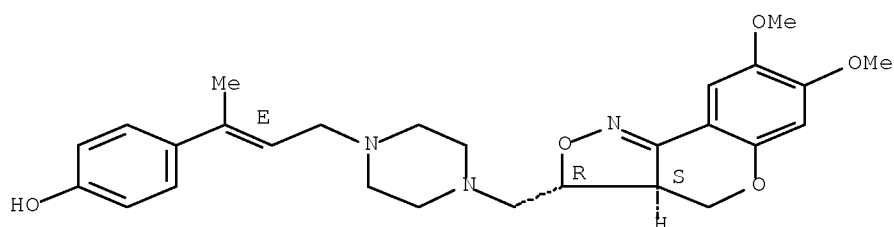
Relative stereochemistry.
Double bond geometry as shown.



RN 722545-55-3 CAPLUS

CN Phenol, 4-[(1E)-3-[4-[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]-1-methyl-1-propenyl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



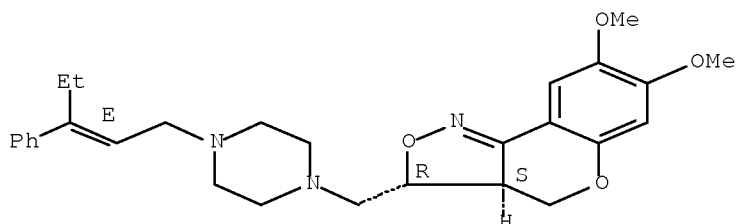
IT 722545-57-5P 722545-58-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 3-(4-cinnamyl-1-piperazinylmethyl)-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles as combined 5-HT uptake inhibitors and α 2-adrenoceptor antagonists)

RN 722545-57-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-pentenyl]-1-piperazinyl)methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

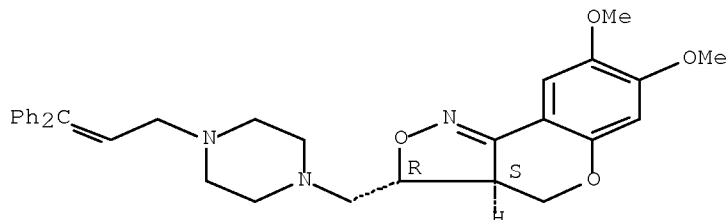
Relative stereochemistry.
Double bond geometry as shown.



RN 722545-58-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(3,3-diphenyl-2-propenyl)-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

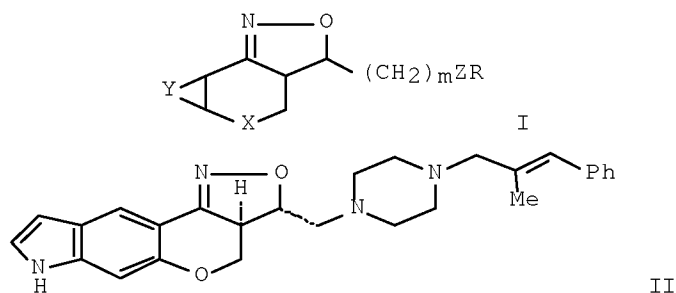
Relative stereochemistry.



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:182890 CAPLUS Full-text
 DOCUMENT NUMBER: 140:217631
 TITLE: Preparation of fused heterocyclic isoxazoline derivatives as anti-depressants
 INVENTOR(S): Andres-Gil, Jose Ignacio; Alcazar-Vaca, Manuel Jesus; Bartolome-Nebreda, Jose Manuel; Fernandez-Gadea, Francisco Javier; Bakker, Margaretha Henrica Maria; Megens, Antonius Adrianus Hendrikus Petrus
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.
 SOURCE: PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004018483	A1	20040304	WO 2003-EP50377	20030813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2494557	A1	20040304	CA 2003-2494557	20030813
AU 2003262573	A1	20040311	AU 2003-262573	20030813
EP 1554286	A1	20050720	EP 2003-792431	20030813
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1675224	A	20050928	CN 2003-819462	20030813
JP 2005538144	T	20051215	JP 2004-530272	20030813
US 2006116378	A1	20060601	US 2005-524123	20050210
PRIORITY APPLN. INFO.:			EP 2002-78373	A 20020815
			WO 2003-EP50377	W 20030813
OTHER SOURCE(S):			MARPAT 140:217631	



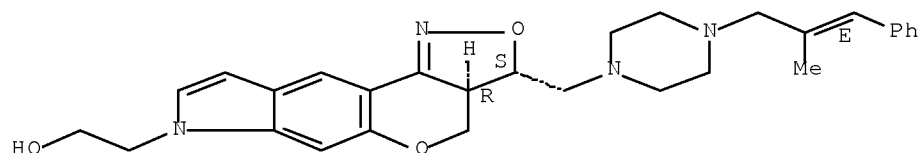
AB The invention concerns fused heterocyclic isoxazoline derivs. of formula I [X = CH₂, (substituted) NH, S, O; Y = (substituted) heterocyclic ring; Z = (substituted) piperazine, piperidinemethylamine, etc.; R = alkylene-aromatic ring, etc.; m = 1-4], the pharmaceutically acceptable salts thereof, the stereochem. isomeric forms thereof and the N-oxide form thereof, more in particular, tetrahydropyranoisoxazole, hexahydroisoxazolopyridine, tetrahydrothiopyrano isoxazole and hexahydrobenzoisoxazole derivs. fused to a heterocyclic ring system via the 6-membered ring of the bicyclic moiety, as well as processes for their preparation, pharmaceutical compns. comprising them and their use as a medicine, in particular for treating depression, anxiety, movement disorders, psychosis, Parkinson's disease and body weight disorders including anorexia nervosa and bulimia. The compds. have been shown to have selective serotonin (5-HT) reuptake inhibitor activity as well as α 2-adrenoceptor antagonist activity. Thus, II was prepared, and had pIC₅₀ of 8.4 in 5-HT transporter binding experiment

IT 666233--82--5P
RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(preparation of fused heterocyclic isoxazoline derivs. as antidepressants)

RN 666233-82-5 CAPLUS

CN 3H,7H-Isoxazolo[3',4':4,5]pyrano[3,2-f]indole-7-ethanol,
3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

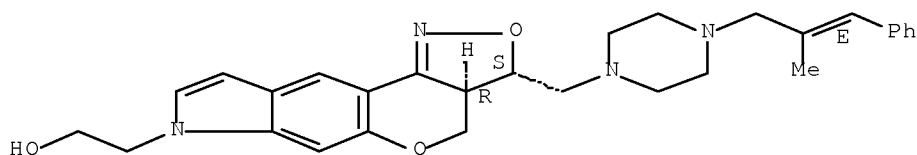
Relative stereochemistry.
Double bond geometry as shown.



IT 666233-90-5P 666233-91-6P
RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN
(Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);
PREP (Preparation); USES (Uses)
(preparation of fused heterocyclic isoxazoline derivs. as antidepressants)

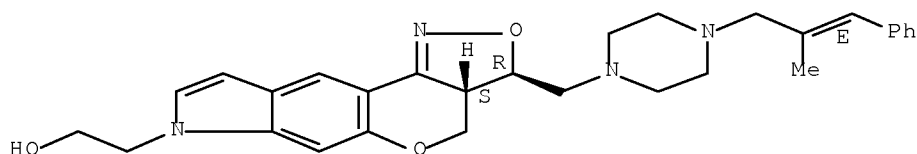
RN 666233-90-5 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole-7-ethanol,
 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
 piperazinyl]methyl]-, (3S,3aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



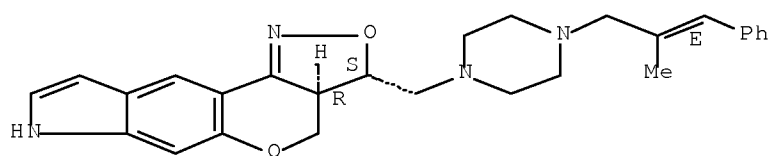
RN 666233-91-6 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole-7-ethanol,
 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
 piperazinyl]methyl]-, (3R,3aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry as shown.



IT 666233-75-6P 666233-84-7P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of fused heterocyclic isoxazoline derivs. as antidepressants)
 RN 666233-75-6 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-3-[[4-[(2E)-2-
 methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
 (CA INDEX NAME)

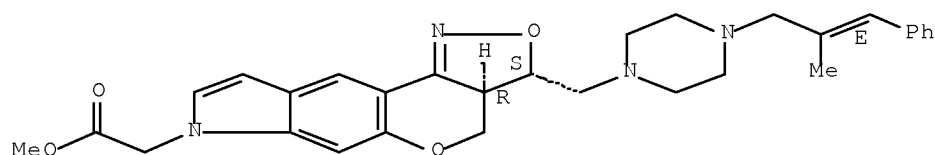
Relative stereochemistry.
 Double bond geometry as shown.



RN 666233-84-7 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole-7-acetic acid,
 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
 piperazinyl]methyl]-, methyl ester, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



IT 666233-76-7P 666233-77-8P 666233-78-9P
 666233-79-0P 666233-80-3P 666233-81-4P
 666233-83-6P 666233-85-8P 666233-86-9P
 666233-87-0P 666233-88-1P 666233-89-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

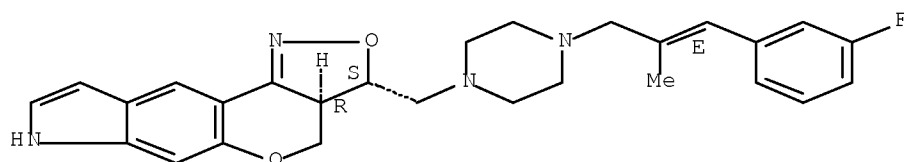
(preparation of fused heterocyclic isoxazoline derivs. as antidepressants)

RN 666233-76-7 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3-[[4-[(2E)-3-(3-
 fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-,
 (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

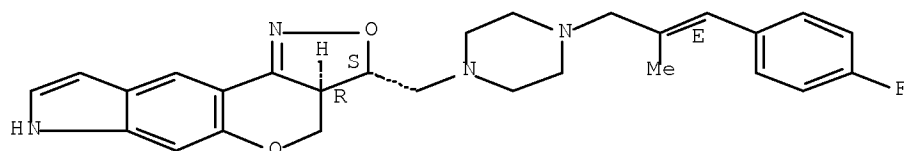


RN 666233-77-8 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3-[[4-[(2E)-3-(4-
 fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-,
 (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

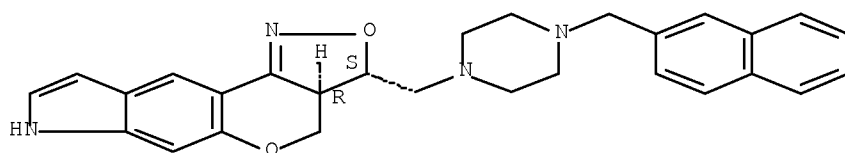
Double bond geometry as shown.



RN 666233-78-9 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-3-[[4-(2-
 naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX
 NAME)

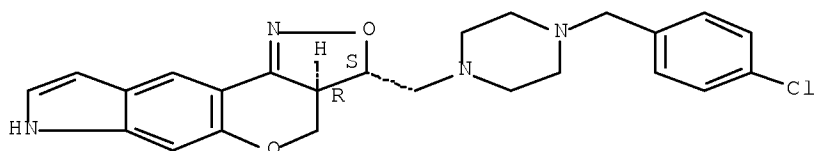
Relative stereochemistry.



RN 666233-79-0 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3-[[4-[(4-chlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

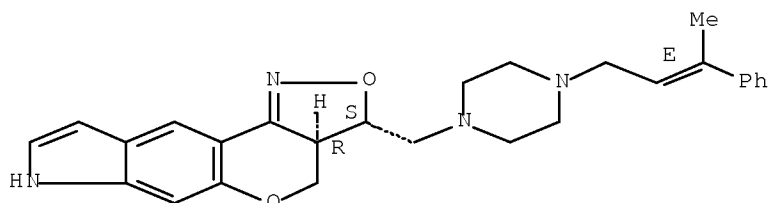


RN 666233-80-3 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

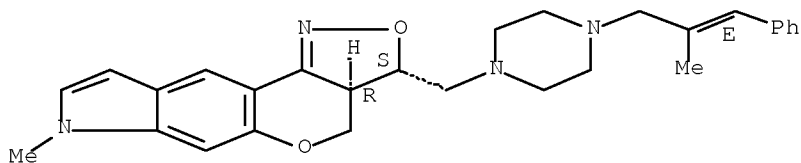


RN 666233-81-4 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-7-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

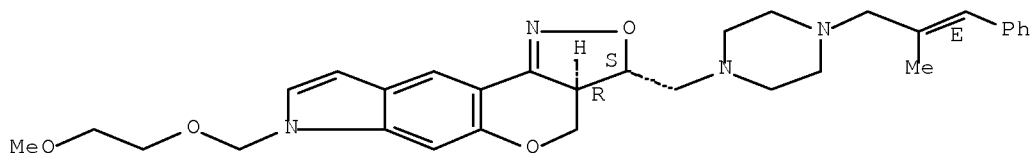


RN 666233-83-6 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-7-[(2-methoxyethoxy)methyl]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

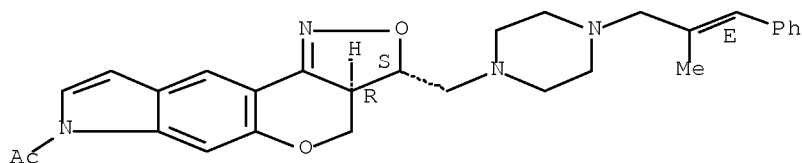


RN 666233-85-8 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 7-acetyl-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

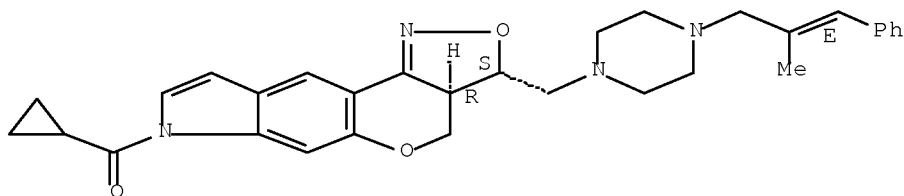


RN 666233-86-9 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 7-(cyclopropylcarbonyl)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

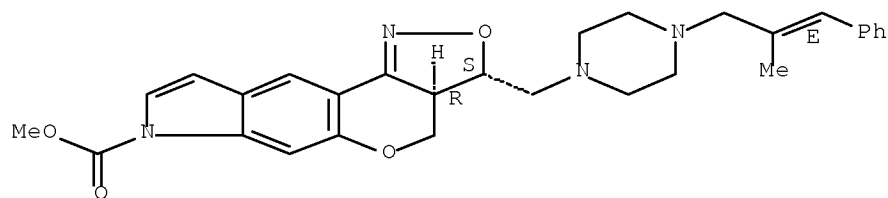


RN 666233-87-0 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole-7-carboxylic acid, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, methyl ester, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

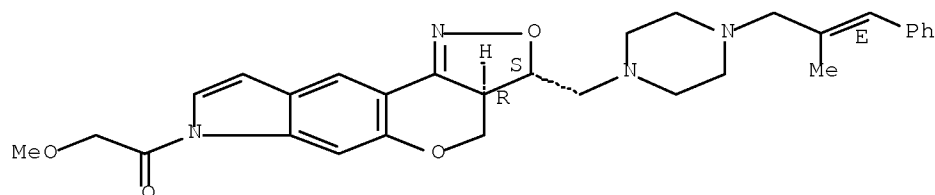
Double bond geometry as shown.



RN 666233-88-1 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 3a,4-dihydro-7-(methoxyacetyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

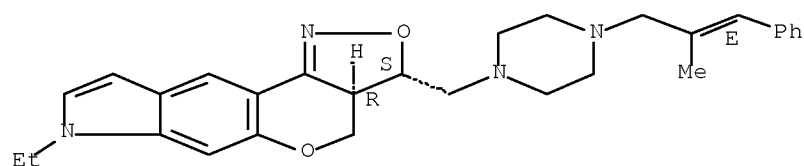
Relative stereochemistry.
Double bond geometry as shown.



RN 666233-89-2 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[3,2-f]indole, 7-ethyl-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:182889 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 140:235700

TITLE: Preparation of chromenoisoxazole derivatives and their use as anti-depressants

INVENTOR(S): Andres-Gil, Jose Ignacio; Alcazar-Vaca, Manuel Jesus; Matesanz-Ballesteros, Maria Encarnacion; Bakker, Margaretha Henrica Maria; Megens, Antonius Adrianus Hendrikus Petrus

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004018482	A2	20040304	WO 2003-EP9532	20030819
WO 2004018482	A3	20040401		
WO 2004018482	A8	20050324		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2495058	A1	20040304	CA 2003-2495058	20030819
AU 2003271567	A1	20040311	AU 2003-271567	20030819
EP 1532155	A2	20050525	EP 2003-753363	20030819
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1675223	A	20050928	CN 2003-819862	20030819
JP 2005538143	T	20051215	JP 2004-530256	20030819
US 2006122167	A1	20060608	US 2005-524989	20050218 <--
PRIORITY APPLN. INFO.:			EP 2002-78844	A 20020821
			WO 2003-EP9532	W 20030819
OTHER SOURCE(S):		MARPAT 140:235700		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [X = CH₂, NR₇, S or O; R₇ = H, alkyl, (un)substituted- aryl, - arylalkyl; R₁, R₂, R₁₄, R₁₅ = independently H, halo, OH, alkyloxy, CN, etc.; m = 1-4; R₃ = (un)substituted aromatic homocyclic or heterocyclic ring; R₈ = independently OH, amino, nitro, CN, halo, or alkyl; n = 0-5; R₉ = H, alkyl, or formyl], a process for their preparation, pharmaceutical compns. comprising them and their use as a medicine, in particular for the treatment of depression, anxiety, movement disorders, psychosis, Parkinson's disease and body weight disorders is disclosed. Thus, e.g., II, was prepared by substitution of 6-bromo-7,8-dimethoxy-3-[4-(2-methyl-3- phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole (preparation given) with N-methylpiperazine. The compds. according to the invention have surprisingly been shown to have a serotonin (5-HT) reuptake inhibitor activity in combination with addnl. α 2-adrenoceptor antagonist activity and show a strong anti-depressant activity without being sedative. I produced an inhibition at least at the h α 2A site (but often at the h α 2B and h α 2C sites) and simultaneously at the 5-HT transporter site of more than 50 % (pIC₅₀) at a test concentration ranging between 10⁻⁶ M and 10⁻⁹ M in a concentration-dependent manner. The invention also relates to novel combination of isoxazoline derivs. according to the invention with one or more other compds.

selected from the group of antidepressants, anxiolytics, anti-psychotics and anti-Parkinson's disease drugs to improve efficacy and/or onset of action.

IT 667454-35-5P 667454-39-9P 667454-52-6P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

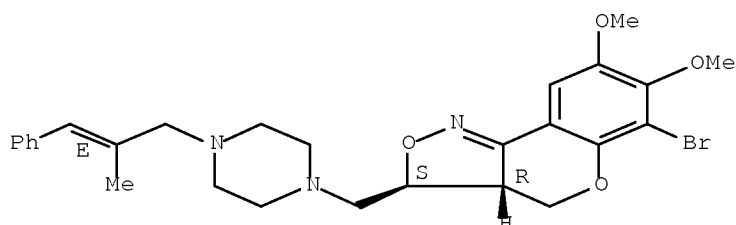
(drug candidate; preparation of chromenoisoxazole derivs. as antidepressants)

RN 667454-35-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 6-bromo-3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

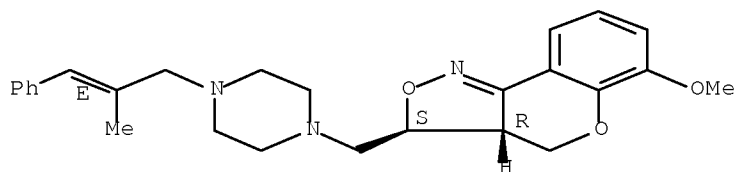


RN 667454-39-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-6-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

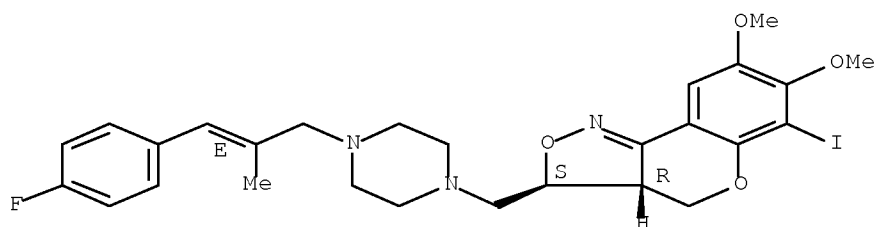


RN 667454-52-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-6-iodo-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



IT 667454-36-6P 667454-37-7P 667454-38-8P
 667454-40-2P 667454-41-3P 667454-42-4P
 667454-43-5P 667454-44-6P 667454-45-7P
 667454-46-8P

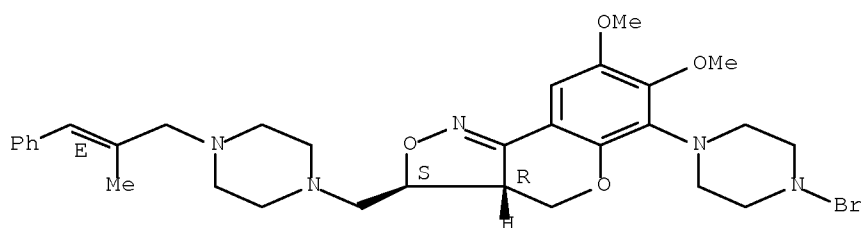
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(drug candidate; preparation of chromenoisoxazole derivs. as
 antidepressants)

RN 667454-36-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 6-(4-bromo-1-piperazinyl)-3a,4-dihydro-
 7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
 piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

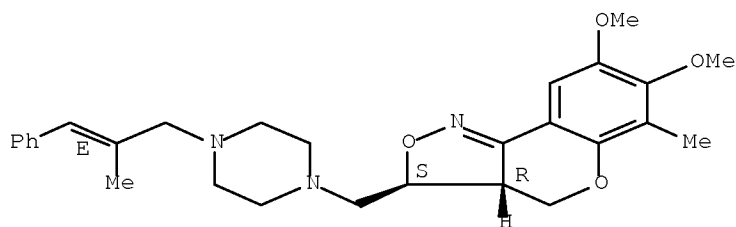
Relative stereochemistry.
 Double bond geometry as shown.



RN 667454-37-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-6-methyl-3-
 [[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-,
 (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
 Double bond geometry as shown.

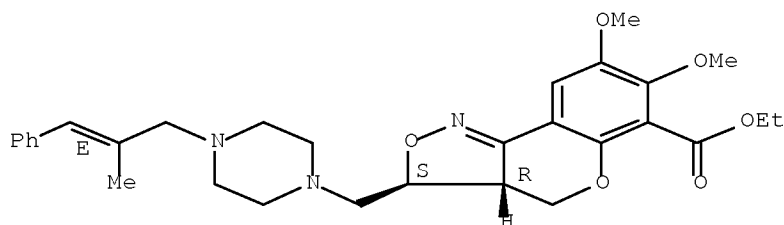


RN 667454-38-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-6-carboxylic acid, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, ethyl ester, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

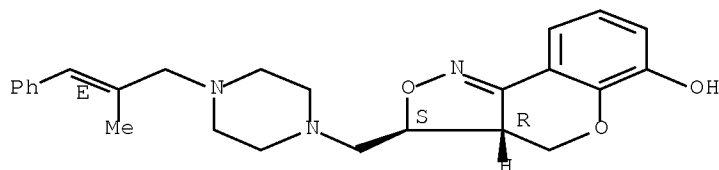


RN 667454-40-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-6-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

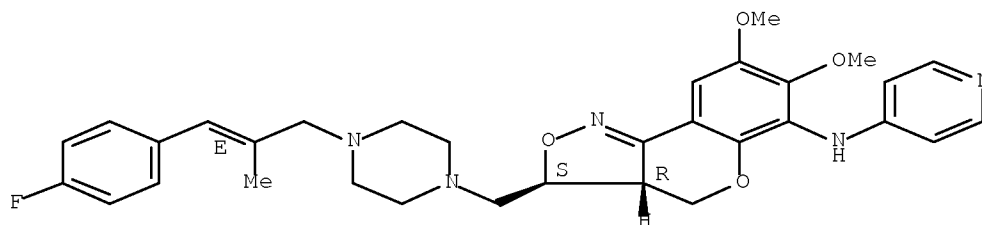


RN 667454-41-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-6-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-N-4-pyridinyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

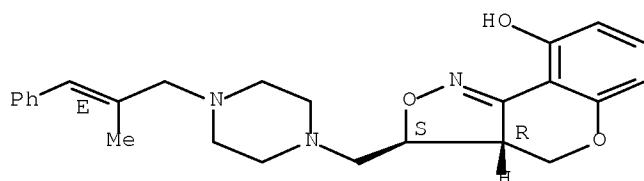


RN 667454-42-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-9-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

NAME)

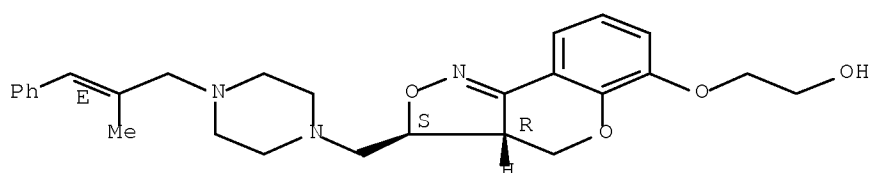
Relative stereochemistry.
Double bond geometry as shown.



RN 667454-43-5 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-6-yl]oxy]-, rel- (9CI) (CA INDEX NAME)

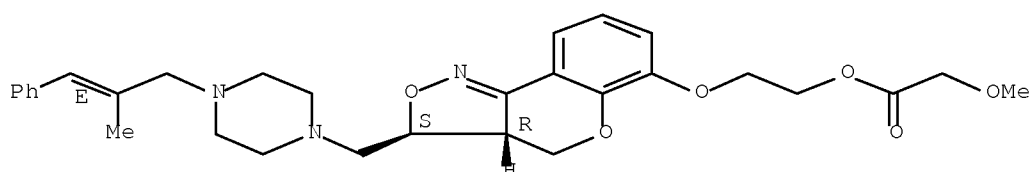
Relative stereochemistry.
Double bond geometry as shown.



RN 667454-44-6 CAPLUS

CN Acetic acid, methoxy-, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-6-yl]oxy]ethyl ester, rel-(-)- (9CI) (CA INDEX NAME)

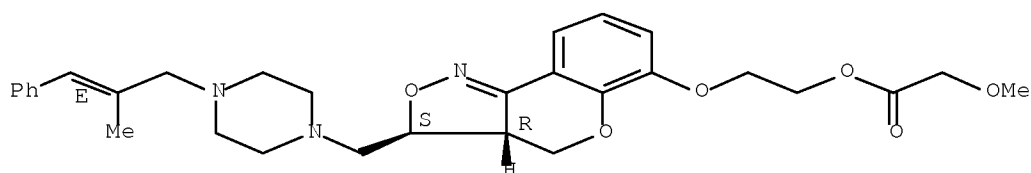
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 667454-45-7 CAPLUS

CN Acetic acid, methoxy-, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-6-yl]oxy]ethyl ester, rel-(+)- (9CI) (CA INDEX NAME)

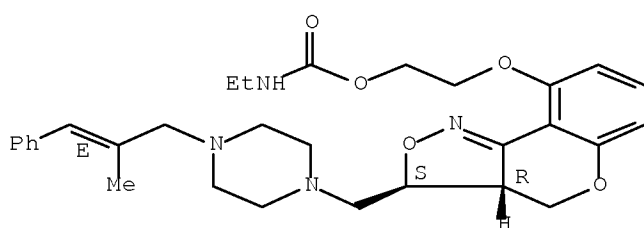
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 667454-46-8 CAPLUS

CN Carbamic acid, ethyl-, 2-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-9-yl]oxy]ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



L19 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:162696 CAPLUS Full-text

DOCUMENT NUMBER: 140:217662

TITLE: Preparation of piperazinylalkylchromenoisoxazolines as antidepressants.

INVENTOR(S): Andres-gil, Jose Ignacio; Bartolome-nebreda, Jose Manuel; Alvarez-escobar, Rosa Maria; Bakker, Margaretha Henrica Maria; Megens, Antonius Adrianus Hendrikus Petrus

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004016621	A1	20040226	WO 2003-EP50374	20030812
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

CA 2494235	A1	20040226	CA 2003-2494235	20030812
AU 2003262571	A1	20040303	AU 2003-262571	20030812
EP 1537124	A1	20050608	EP 2003-787817	20030812
EP 1537124	B1	20070801		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

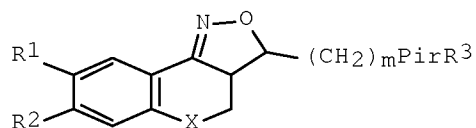
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JP 2005537304	T	20051208	JP 2004-528523	20030812
AT 368669	T	20070815	AT 2003-787817	20030812
US 2005256119	A1	20051117	US 2005-524197	20050210

PRIORITY APPLN. INFO.:

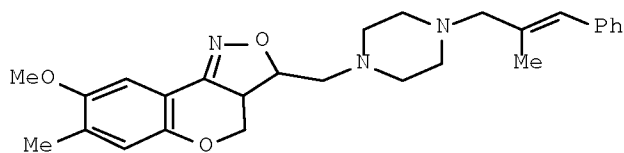
EP 2002-78322	A	20020812
WO 2003-EP50374	W	20030812

OTHER SOURCE(S): MARPAT 140:217662

GI



I



II

AB Title compds. [I; X = CH₂, NR₇, S, O; R₇ = H, alkyl aryl, aralkyl, alkylcarbonyl, alkoxy carbonyl, aminocarbonyl; R₁, R₂ = H, halo, OH, OSO₂H, OSO₂Me, alkoxy, alkyl, aryl, heterocyclyl, etc.; R₁R₂ = (CH₂)₄, CH:CHCH₂CH₂, CH:CHCH:CH, etc.; Pir = (substituted) piperazinyl, aminomethylpiperidinyl; m = 1-4; R₃ = (substituted) (unsatd.) alkylaryl, alkylheteroaryl; with provisos], were prepared Thus, title compound (II) (preparation via intramol. nitrile oxide cycloaddn. given) bound to human platelet 5-HT transporter protein with pIC₅₀ = 7.7.

II 452320-31-9P 663933-45-7P, 8-Methyl-3-[4-(3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-46-8P, 8-Methoxy-7-methyl-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-47-9P, [8-Methoxy-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazol-7-yl]methanol 663933-48-0P, 7-Methoxymethyl-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-49-1P 663933-50-4P 663933-51-5P, 8-Methoxy-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-7-phenoxy-methyl-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-52-6P 663933-53-7P, 8-Methoxy-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-7-morpholin-4-ylmethyl-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-54-8P 663933-55-9P 663933-56-0P, 3-[4-(2-Methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole-7-carbonitrile 663933-57-1P 663933-58-2P, 8-Methoxy-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole-7-carboxylic acid ethylamide 663933-59-3P, 8-Methoxy-3-[4-(2-methyl-3-phenylallyl)piperazin-1-ylmethyl]-7-phenyl-3a,4-dihydro-3H-chromeno[4,3-c]isoxazole 663933-60-6P, 1-[5-[8-Methoxy-3-[4-(2-

methyl-3-phenylallyl)piperazin-1-ylmethyl]-3a,4-dihydro-3H-chromeno[4,3-c]isoxazol-7-yl]thiophen-2-yl]ethanone 663933-61-7P

663933-62-8P 663933-63-9P 663933-65-1P

663933-66-2P 663933-68-4P 663933-69-5P

663933-70-8P 663933-71-9P 663933-72-0P

663933-74-2P 663933-76-4P 663933-77-5P

663933-78-6P 663933-79-7P 663933-80-0P

663933-81-1P 663933-89-9P 663933-90-2P

663933-91-3P 663933-92-4P 663933-93-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

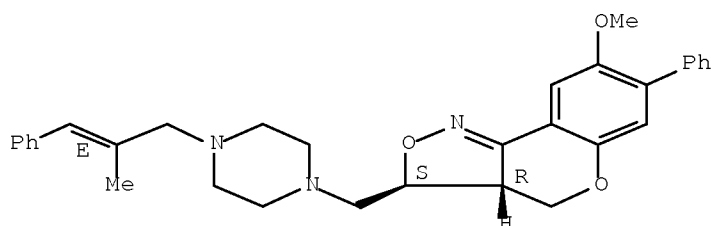
(preparation of piperazinylalkylchromenoisoxazolines as antidepressants)

RN 452320-31-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-phenyl-, (3R,3aS)-rel-(9CI) (CA INDEX NAME)

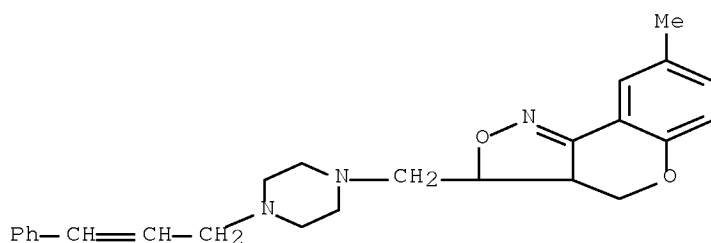
Relative stereochemistry.

Double bond geometry as shown.



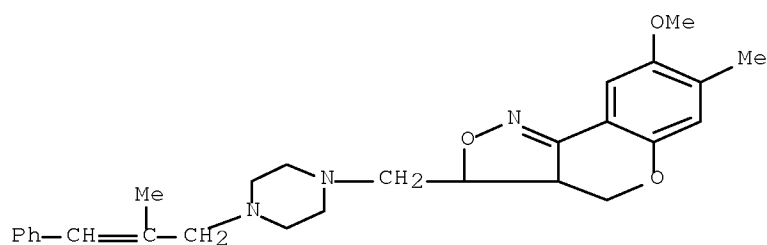
RN 663933-45-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methyl-3-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



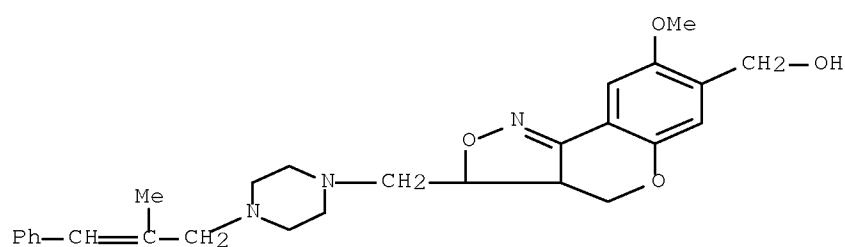
RN 663933-46-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-methyl-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



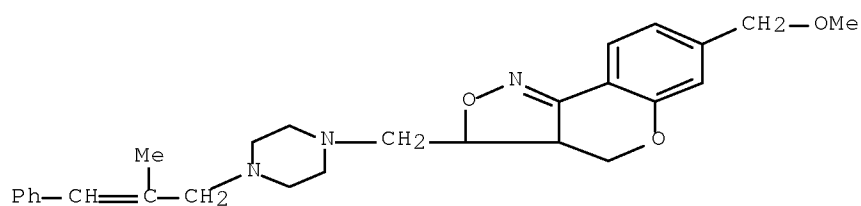
RN 663933-47-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanol, 3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



RN 663933-48-0 CAPLUS

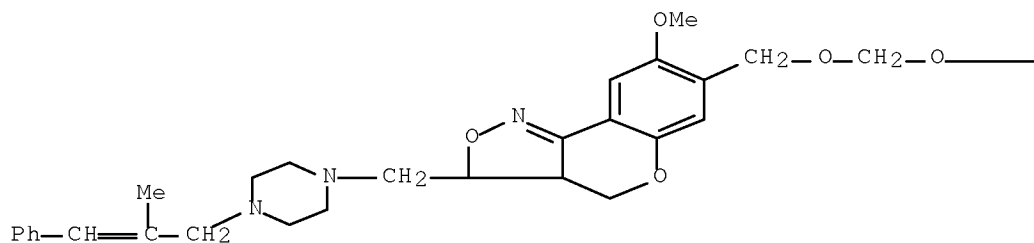
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-(methoxymethyl)-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



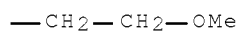
RN 663933-49-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-[[2-methoxyethoxy]methoxy]methyl]-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

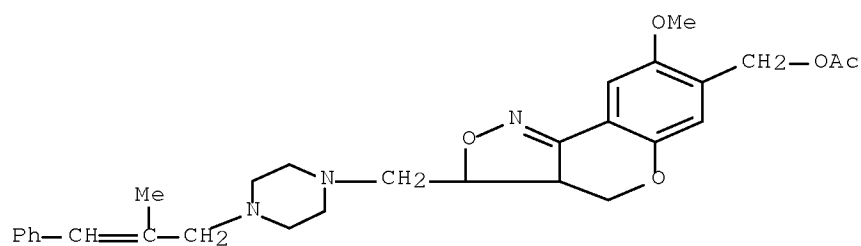


PAGE 1-B



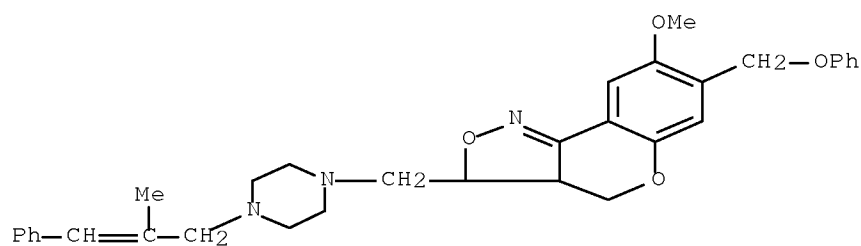
RN 663933-50-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanol, 3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-, acetate (ester)
(9CI) (CA INDEX NAME)



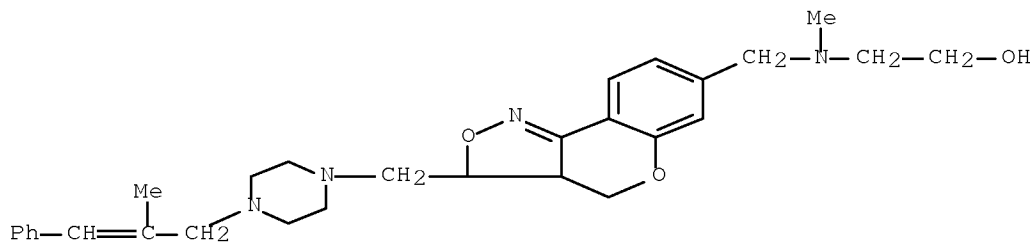
RN 663933-51-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-7-(phenoxymethyl)- (9CI) (CA INDEX NAME)



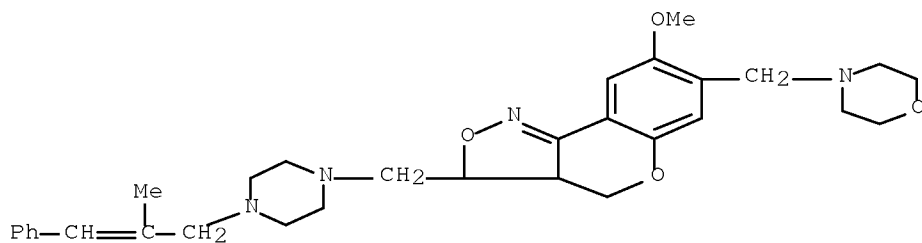
RN 663933-52-6 CAPLUS

CN Ethanol, 2-[[[3a,4-dihydro-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methyl]methylamino]- (9CI) (CA INDEX NAME)



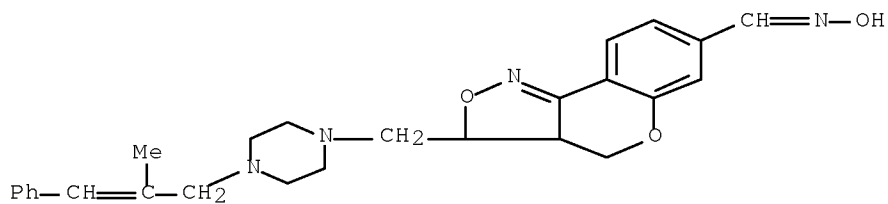
RN 663933-53-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-7-(4-morpholinylmethyl)- (9CI)
(CA INDEX NAME)



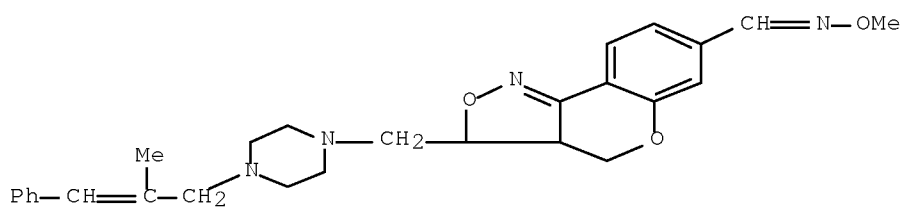
RN 663933-54-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxaldehyde, 3a,4-dihydro-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-, oxime (9CI) (CA INDEX NAME)



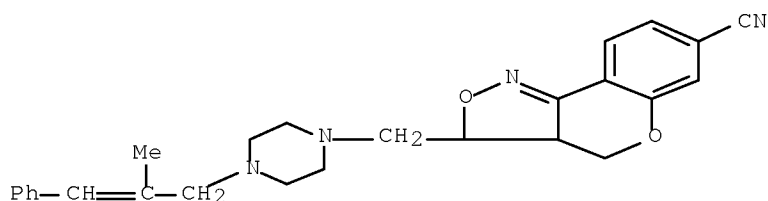
RN 663933-55-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxaldehyde, 3a,4-dihydro-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-, O-methyloxime (9CI)
(CA INDEX NAME)



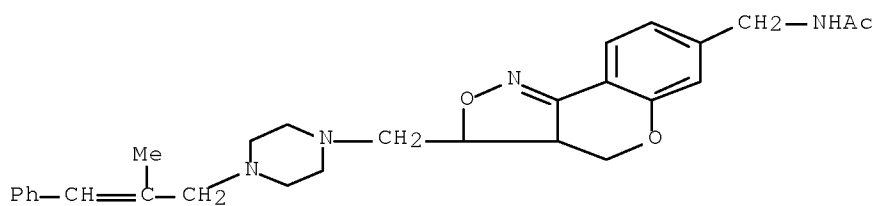
RN 663933-56-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carbonitrile, 3a,4-dihydro-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



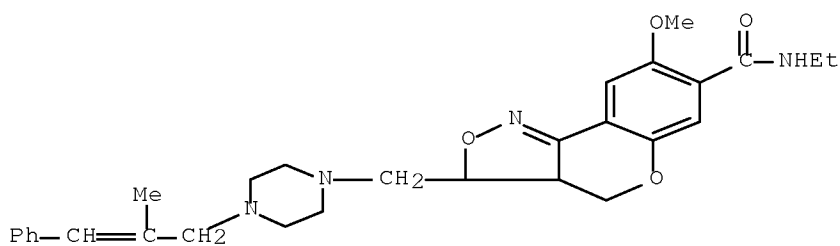
RN 663933-57-1 CAPLUS

CN Acetamide, N-[[3a,4-dihydro-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methyl]- (9CI) (CA INDEX NAME)



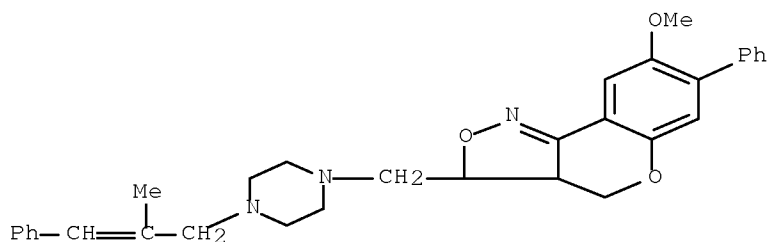
RN 663933-58-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxamide, N-ethyl-3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



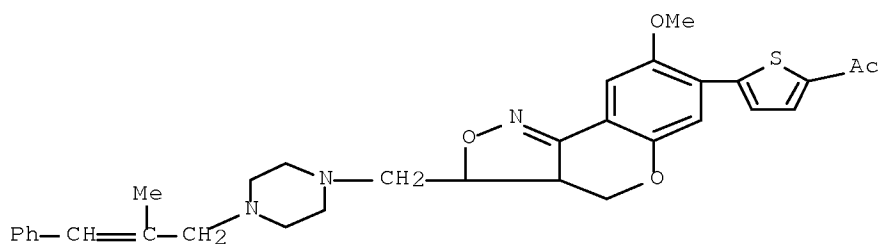
RN 663933-59-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-7-phenyl- (9CI) (CA INDEX NAME)



RN 663933-60-6 CAPLUS

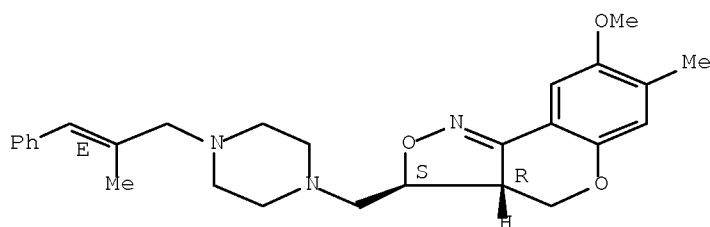
CN Ethanone, 1-[5-[3a,4-dihydro-8-methoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2-thienyl]- (9CI) (CA INDEX NAME)



RN 663933-61-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

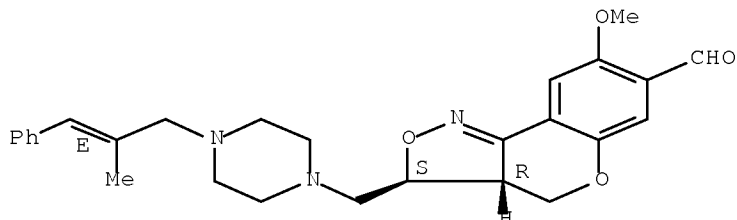
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-62-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxaldehyde, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

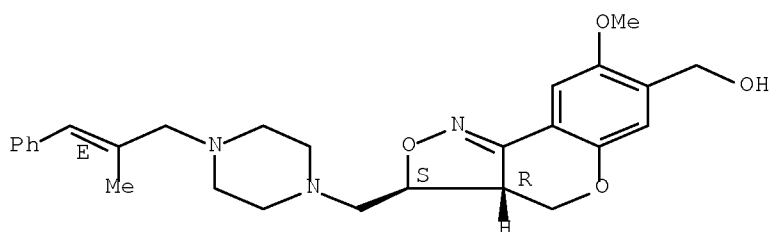
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-63-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



●2 HCl

RN 663933-65-1 CAPLUS

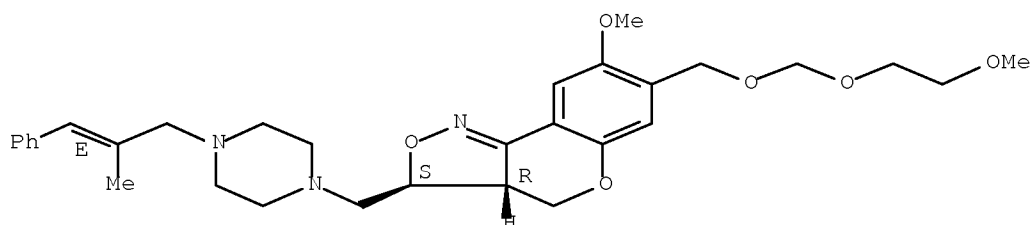
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-[[[(2-methoxyethoxy)methoxy]methyl]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 663933-64-0

CMF C31 H41 N3 O6

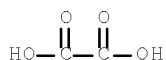
Relative stereochemistry.
Double bond geometry as shown.



CM 2

CRN 144-62-7

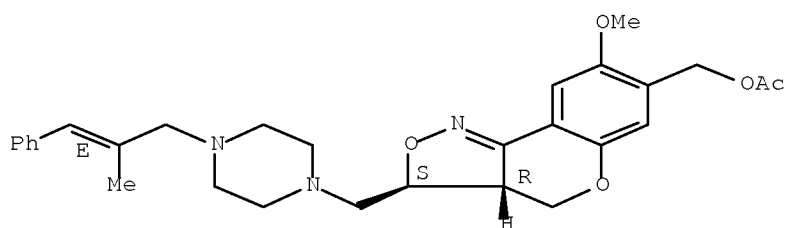
CMF C2 H2 O4



RN 663933-66-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 663933-68-4 CAPLUS

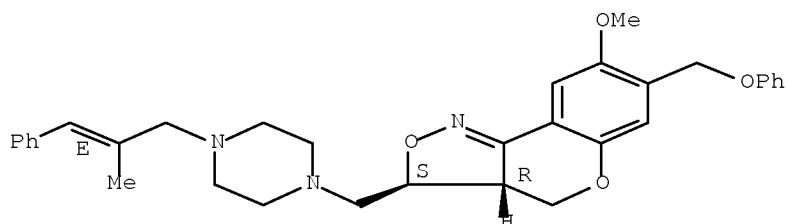
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(phenoxy-methyl)-, (3R,3aS)-rel-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 663933-67-3

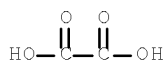
CMF C33 H37 N3 O4

Relative stereochemistry.
Double bond geometry as shown.



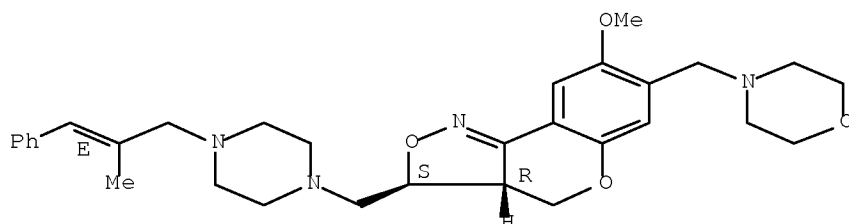
CM 2

CRN 144-62-7
CMF C2 H2 O4



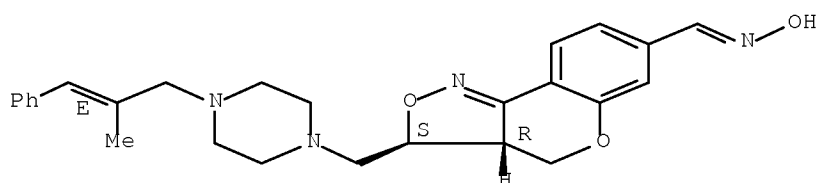
RN 663933-69-5 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(4-morpholinylmethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



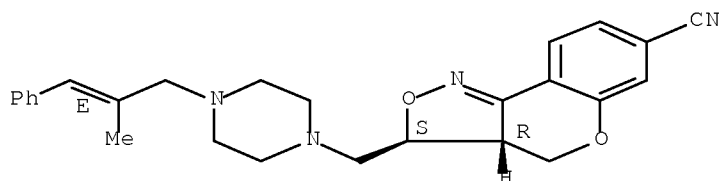
RN 663933-70-8 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxaldehyde, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, oxime, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as described by E or Z.



RN 663933-71-9 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carbonitrile, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

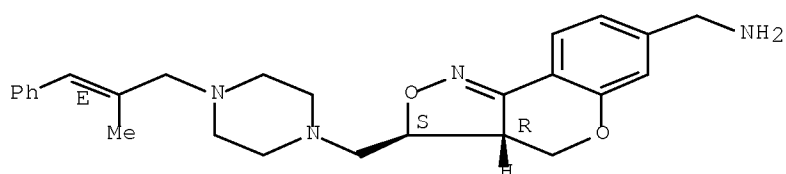
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-72-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanamine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 663933-74-2 CAPLUS

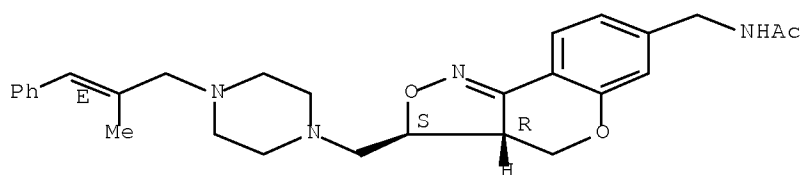
CN Acetamide, N-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methyl]-, rel-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 663933-73-1

CMF C28 H34 N4 O3

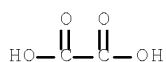
Relative stereochemistry.
Double bond geometry as shown.



CM 2

CRN 144-62-7

CMF C2 H2 O4

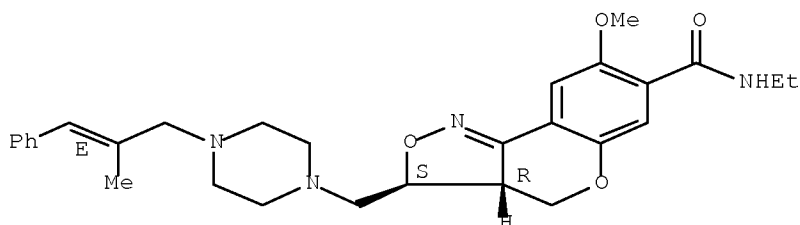


RN 663933-76-4 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxamide, N-ethyl-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

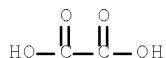
CRN 663933-75-3
 CMF C29 H36 N4 O4

Relative stereochemistry.
 Double bond geometry as shown.



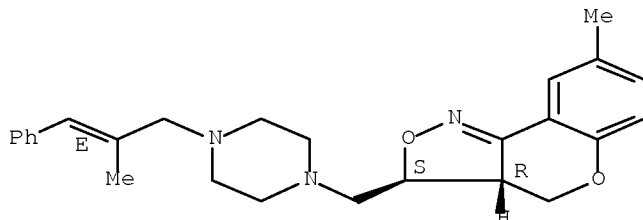
CM 2

CRN 144-62-7
 CMF C2 H2 O4



RN 663933-77-5 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

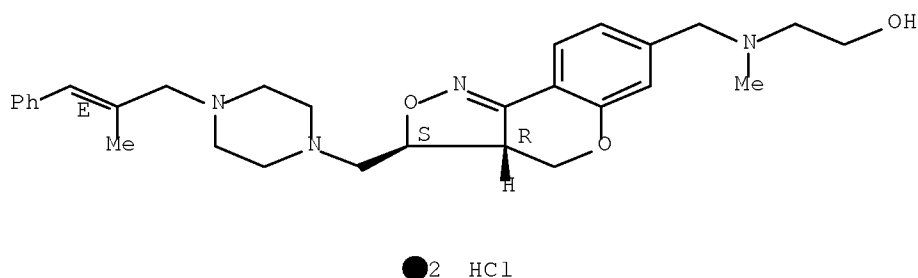
Relative stereochemistry.
 Double bond geometry as shown.



RN 663933-78-6 CAPLUS
 CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-

propenyl]-1-piperazinyl)methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl)methyl)methylamino]-, dihydrochloride, rel- (9CI) (CA INDEX NAME)

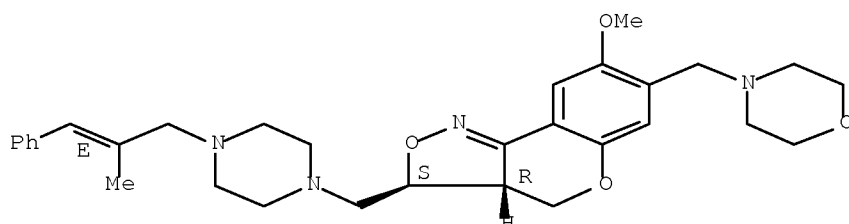
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-79-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-7-(4-morpholinylmethyl)-, (3S,3aR)- (9CI) (CA INDEX NAME)

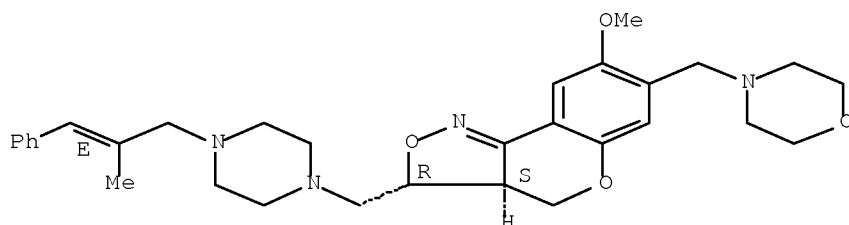
Absolute stereochemistry.
Double bond geometry as shown.



RN 663933-80-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-7-(4-morpholinylmethyl)-, (3R,3aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.

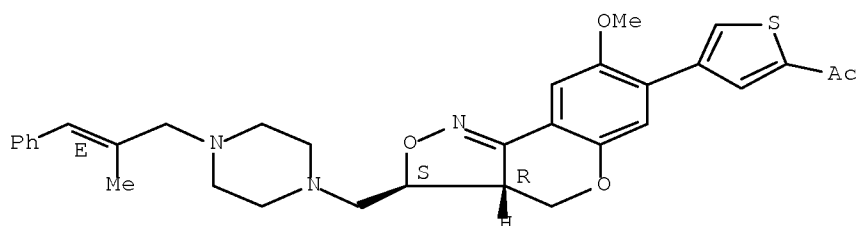


RN 663933-81-1 CAPLUS

CN Ethanone, 1-[4-[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-

phenyl-2-propenyl]-1-piperazinyl)methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2-thienyl]-, rel- (9CI) (CA INDEX NAME)

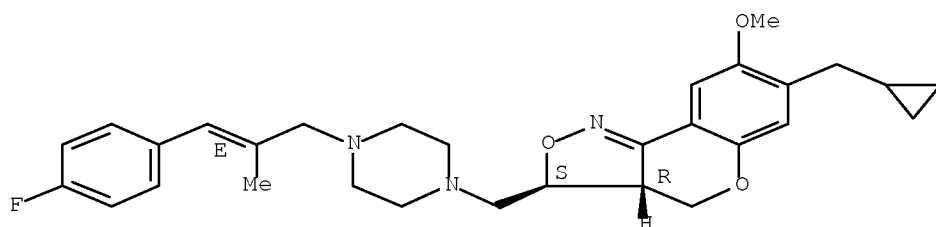
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-89-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(cyclopropylmethyl)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

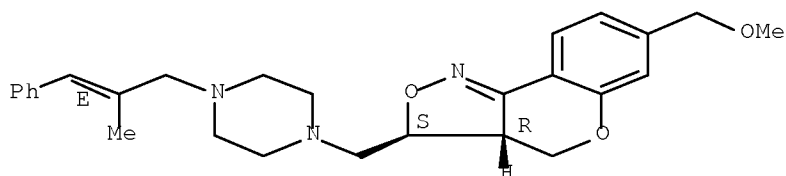
Relative stereochemistry.
Double bond geometry as shown.



RN 663933-90-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-(methoxymethyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



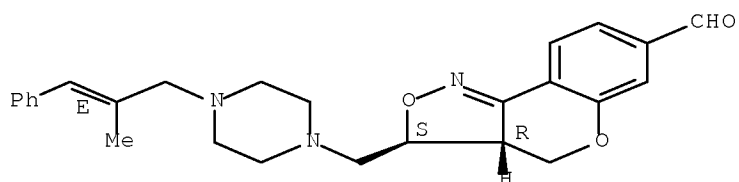
●2 HCl

RN 663933-91-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxaldehyde, 3a,4-dihydro-3-[[4-

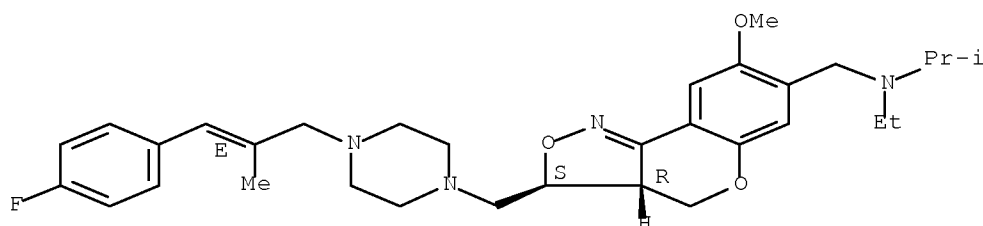
[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-, (3R,3aS)-rel-
(9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



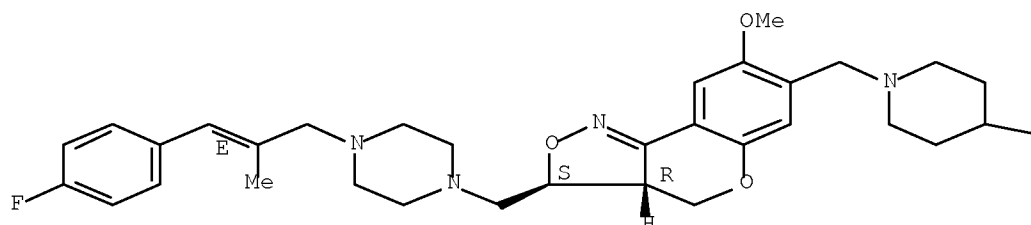
RN 663933-92-4 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanamine, N-ethyl-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-8-methoxy-N-(1-methylethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 663933-93-5 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-8-methoxy-7-[(4-methyl-1-piperidinyl)methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

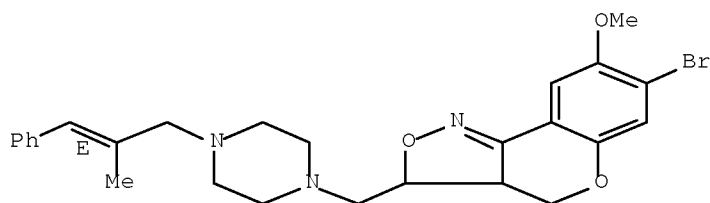


PAGE 1-A

—Me

IT 663933-88-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of piperazinylalkylchromenoisoxazolines as antidepressants)
 RN 663933-88-8 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-bromo-3a,4-dihydro-8-methoxy-3-[[4-
 [(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

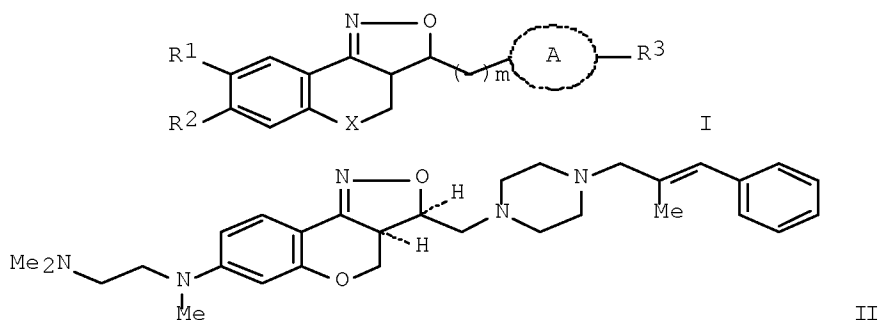
L19 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:796712 CAPLUS Full-text
 DOCUMENT NUMBER: 139:307799
 TITLE: Preparation of isoxazoline derivatives as
 antidepressants
 INVENTOR(S): Andres-Gil, Jose Ignacio; Alcazar-Vaca,
 Manuel Jesus; Bakker, Margaretha Henrica
 Maria; De Lucas Olivares, Ana Isabel
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.
 SOURCE: PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003082878	A1	20031009	WO 2003-EP3245	20030327
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2480113	A1	20031009	CA 2003-2480113	20030327
AU 2003219111	A1	20031013	AU 2003-219111	20030327
BR 2003008309	A	20041228	BR 2003-8309	20030327
EP 1492796	A1	20050105	EP 2003-714897	20030327
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CN 1642960	A	20050720	CN 2003-807419	20030327
JP 2005522469	T	20050728	JP 2003-580343	20030327
NZ 536109	A	20060630	NZ 2003-536109	20030327
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MX 2004PA08626	A	20041206	MX 2004-PA8626	20040906
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US 2005222125	A1	20051006	US 2004-510220	20041001
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NO 2004004645	A	20041027	NO 2004-4645	20041027
PRIORITY APPLN. INFO.:			EP 2002-76239	A 20020402
			WO 2003-EP3245	W 20030327

OTHER SOURCE(S): MARPAT 139:307799
 GI



AB The title isoxazoline derivs. having a piperazinyl subunit with general formula of I [wherein X = CH₂, S, O, or (un)substituted NH; R₁ and R₂ = independently H, OH, CN, halo, OSO₂H, OSO₂Me, alkoxy, alkoxyalkoxy, alkoxyalkoxyalkoxy, tetrahydrofuranyloxy, alkylthio, (alkoxy)alkylcarboxy, pyridylcarboxy, alkylcarboxyalkoxy, alkoxycarboxy, alkenyloxy, alkenylcarboxy, alkylaminoalkoxy, dialkylaminoalkoxy, or (un)substituted NH₂, with provisos; m = 1-4; A = (un)substituted piperazinyl, piperidinyl, or amino; R₃ = (un)substituted aromatic (hetero)cyclyl] and pharmaceutically acceptable salts, stereoisomers, N-oxides, or prodrugs thereof are prepared as antidepressants for the treatment of depression, anxiety, and/or body weight disorders (no data). For example, the compound II • 2HCl was prepared in a multi-step synthesis in moderate yield. II showed pIC₅₀ of 8.9, 9.0, and 8.2 against human *hα2A*, *hα2C*, and 5-HT transporter receptor sites, resp.

IT 612074-52-9P 612074-55-2P 612074-58-5P
 612074-59-6P 612074-62-1P 612074-63-2P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

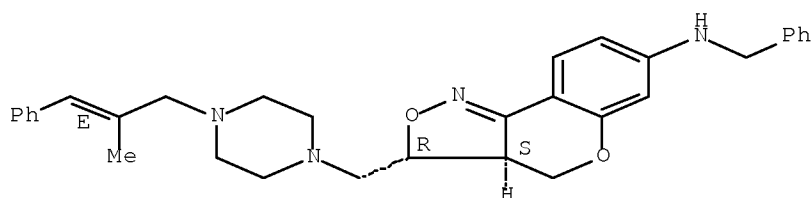
(drug candidate; preparation of isoxazoline derivs. as antidepressants)

RN 612074-52-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-(phenylmethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

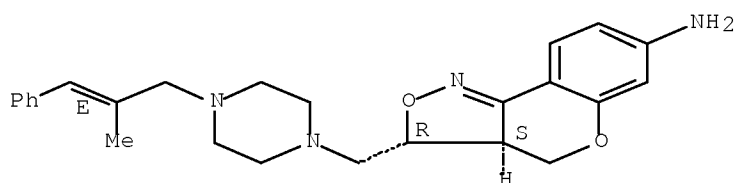


RN 612074-55-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

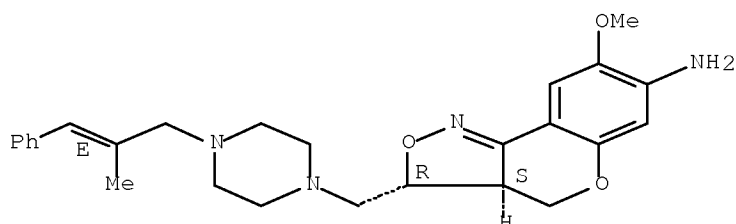


RN 612074-58-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

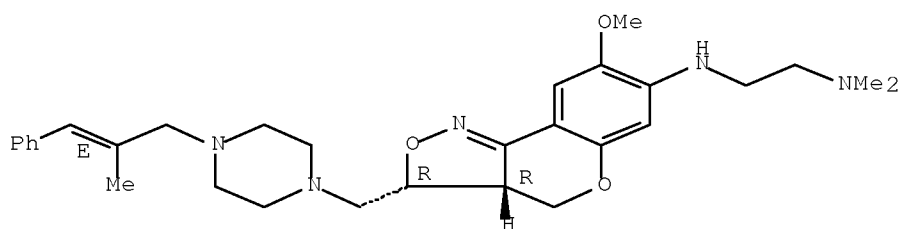


RN 612074-59-6 CAPLUS

CN 1,2-Ethanediamine, N'-[(3R,3aR)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-

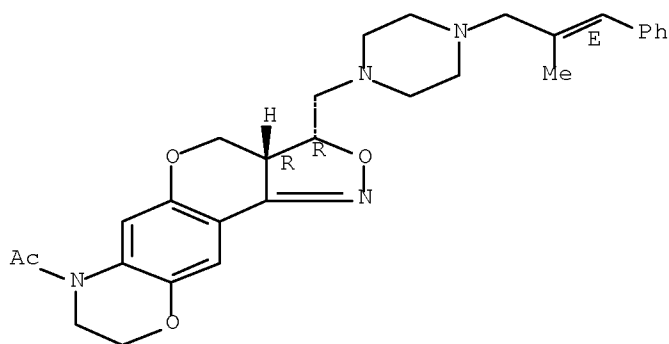
c]isoxazol-7-yl]-N,N-dimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



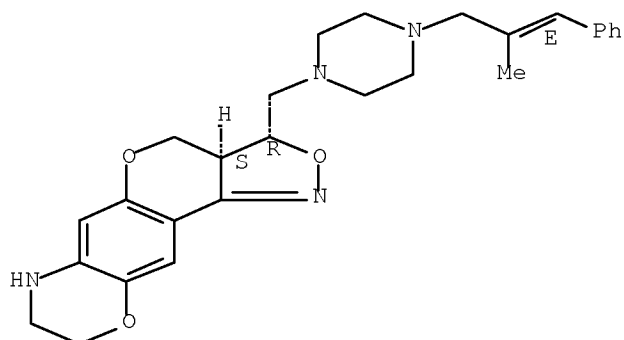
RN 612074-62-1 CAPLUS
CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine,
7-acetyl-3a,4,8,9-tetrahydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 612074-63-2 CAPLUS
CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine,
3a,4,8,9-tetrahydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-
piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



IT 612074-51-8P 612074-53-0P 612074-54-1P
 612074-56-3P 612074-57-4P 612074-60-9P
 612074-61-0P 612074-64-3P 612074-65-4P
 612074-66-5P 612074-67-6P 612074-68-7P
 612074-69-8P 612074-70-1P 612074-71-2P
 612074-72-3P 612074-73-4P 612074-74-5P
 612074-75-6P 612074-76-7P 612074-77-8P
 612074-78-9P 612074-79-0P 612074-80-3P
 612074-81-4P 612074-82-5P 612074-83-6P
 612074-84-7P 612074-85-8P 612074-86-9P
 612074-87-0P 612074-88-1P 612074-89-2P
 612074-90-5P 612074-91-6P 612074-92-7P
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 612075-80-6P 612075-81-7P 612075-82-8P
 612075-83-9P 612075-84-0P 612075-85-1P
 612075-86-2P 612075-87-3P 612075-88-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

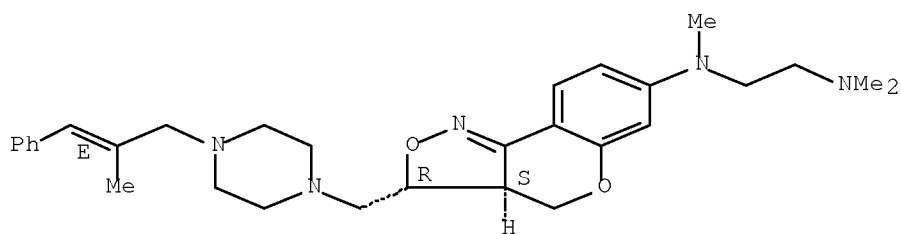
(drug candidate; preparation of isoxazoline derivs. as antidepressants)

RN 612074-51-8 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-
 2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-
 N,N',N'-trimethyl-, dihydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



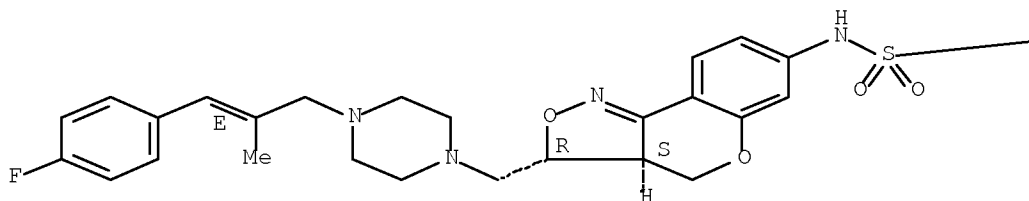
● 2 HCl

RN 612074-53-0 CAPLUS

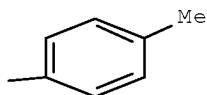
CN Benzenesulfonamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-4-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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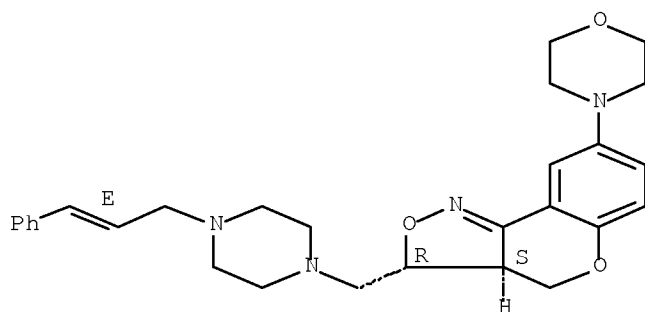
PAGE 1-B



RN 612074-54-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-(4-morpholinyl)-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

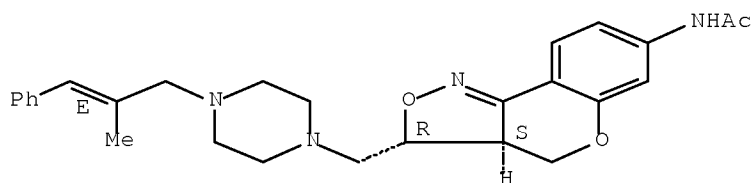
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-56-3 CAPLUS

CN Acetamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

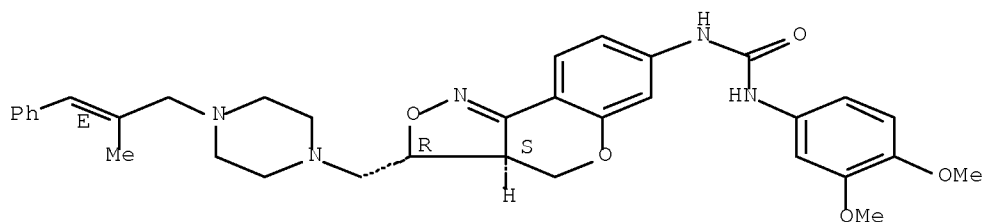
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-57-4 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(3,4-dimethoxyphenyl)-, rel- (9CI) (CA INDEX NAME)

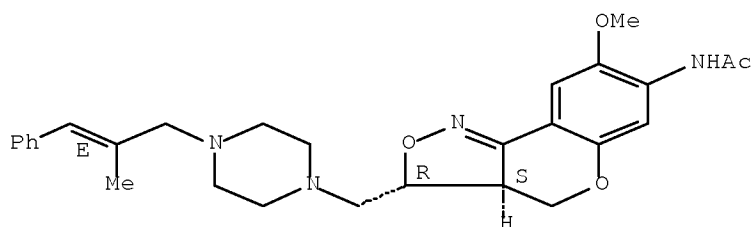
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-60-9 CAPLUS

CN Acetamide, N-[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

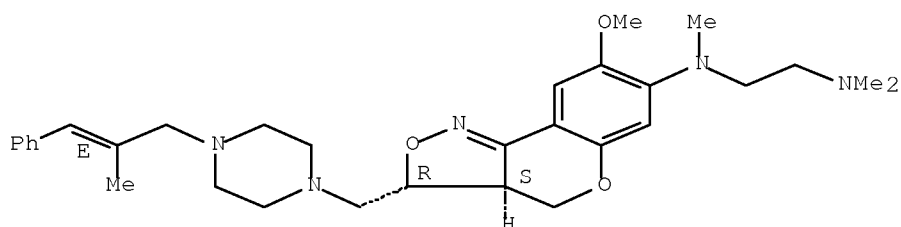
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-61-0 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)

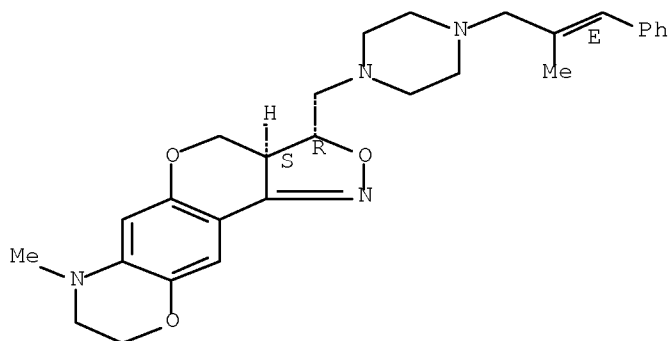
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-64-3 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine, 3a,4,8,9-tetrahydro-7-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

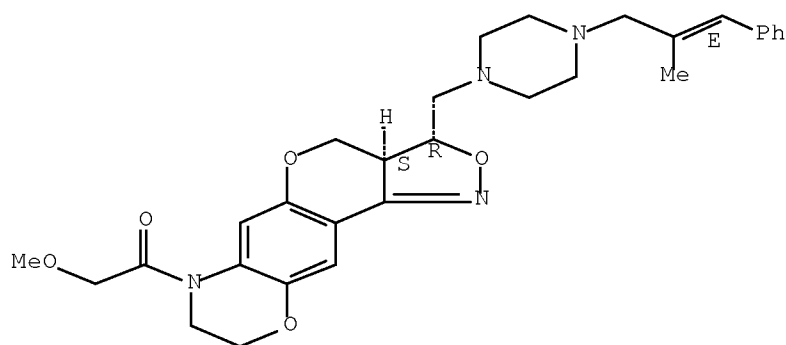


RN 612074-65-4 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine, 3a,4,8,9-tetrahydro-7-(methoxyacetyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

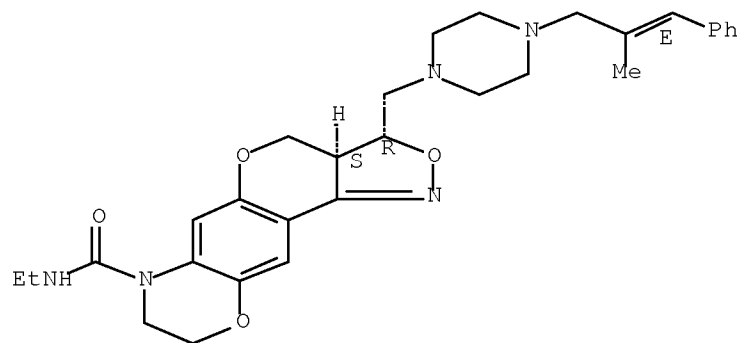


RN 612074-66-5 CAPLUS

CN 3H,7H-Isioxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine-7-carboxamide, N-ethyl-3a,4,8,9-tetrahydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

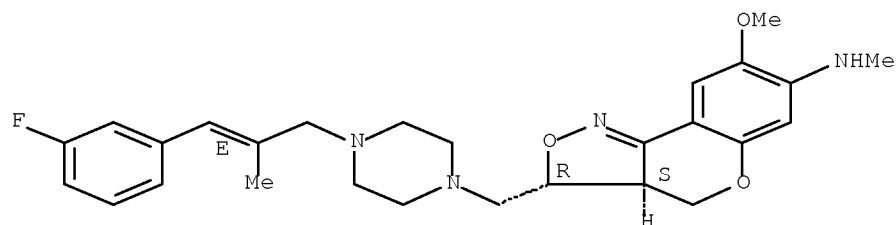


RN 612074-67-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-methyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

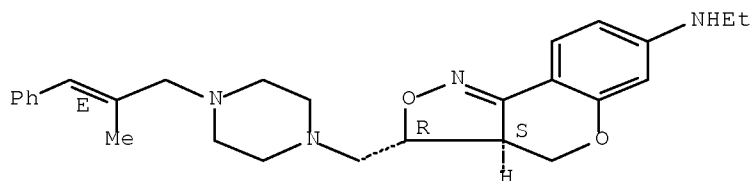
Double bond geometry as shown.



RN 612074-68-7 CAPLUS

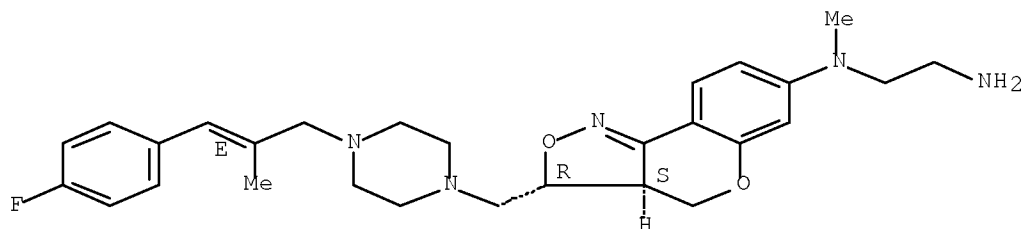
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-ethyl-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 612074-69-8 CAPLUS
CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

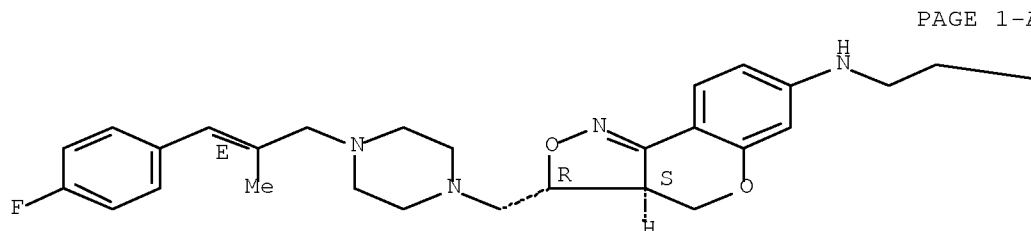
Relative stereochemistry.
Double bond geometry as shown.



● HCl

RN 612074-70-1 CAPLUS
CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-methyl-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



● HCl

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PAGE 1-B

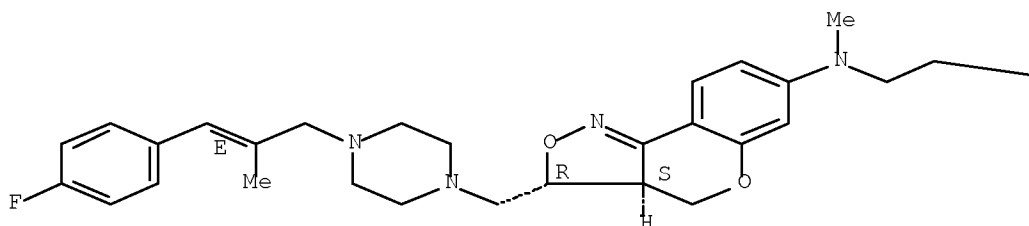
—NHMe

RN 612074-71-2 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N'-dimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

PAGE 1-A



PAGE 1-B

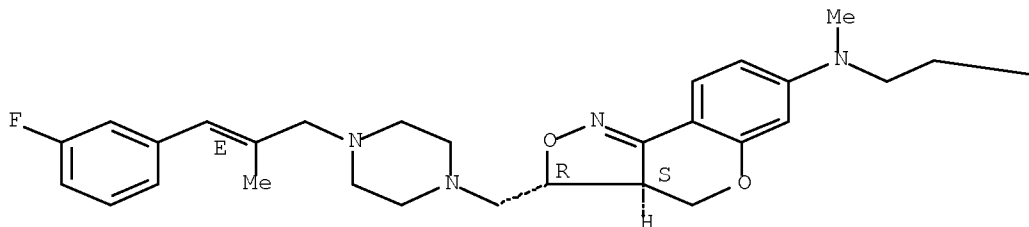
—NHMe

RN 612074-72-3 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, dihydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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●2 HCl

PAGE 1-B

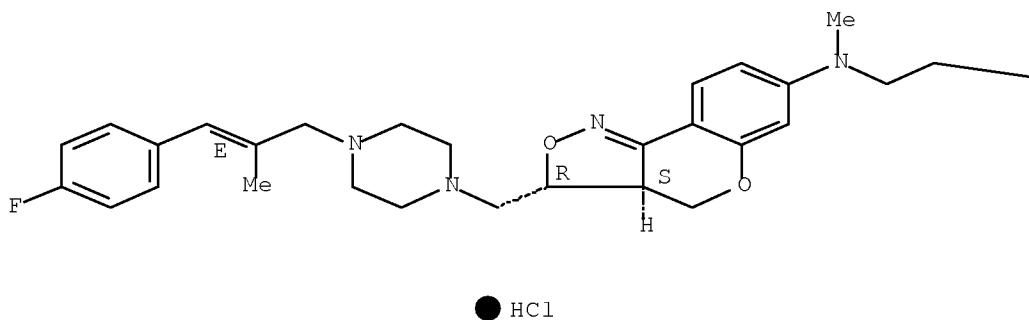
—NMe₂

RN 612074-73-4 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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PAGE 1-B

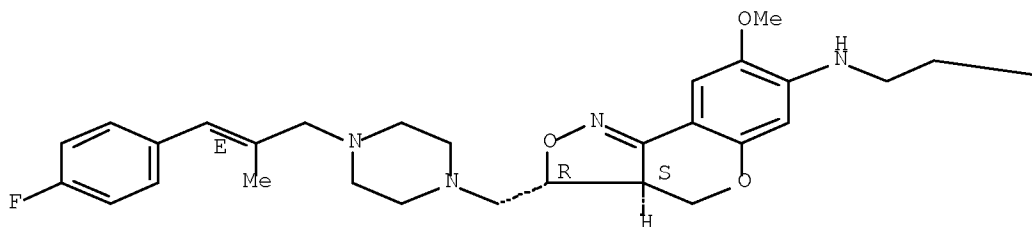
—NMe₂

RN 612074-74-5 CAPLUS

CN 1,2-Ethanediamine, N'-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N-dimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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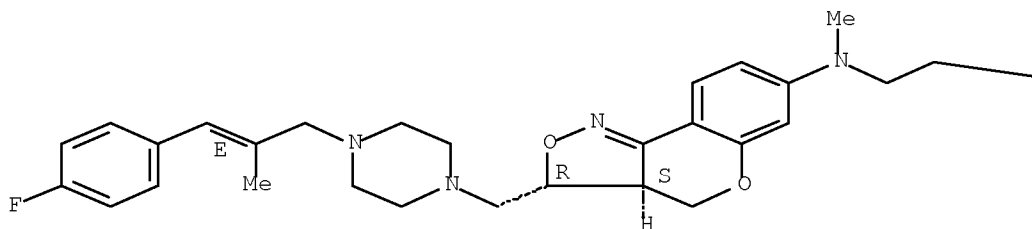
—NMe₂

RN 612074-75-6 CAPLUS

CN 1,2-Ethanediamine, N,N-diethyl-N'-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-methyl-, monohydrochloride, rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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● HCl

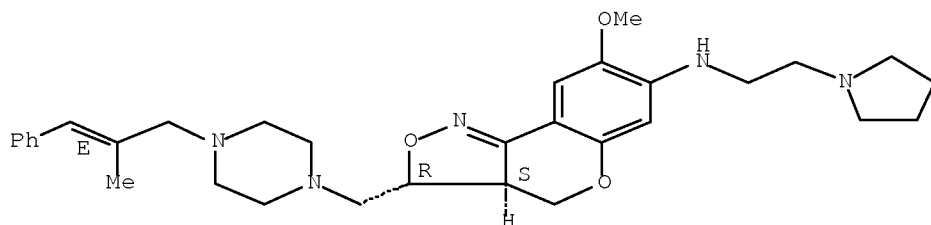
PAGE 1-B

—NEt₂

RN 612074-76-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-[2-(1-pyrrolidinyl)ethyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

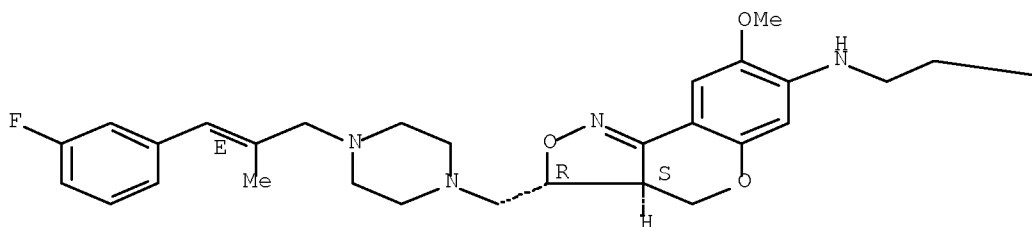


RN 612074-77-8 CAPLUS

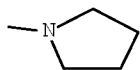
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-[2-(1-pyrrolidinyl)ethyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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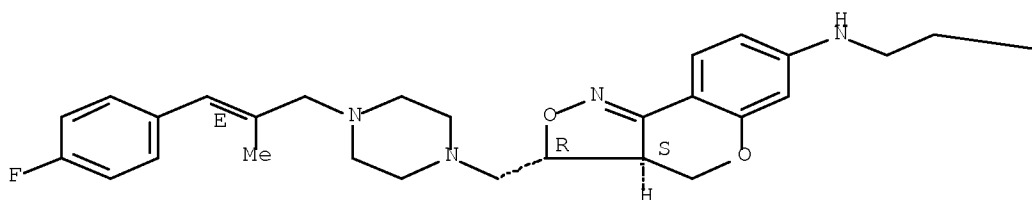


RN 612074-78-9 CAPLUS

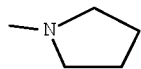
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-N-[2-(1-pyrrolidinyl)ethyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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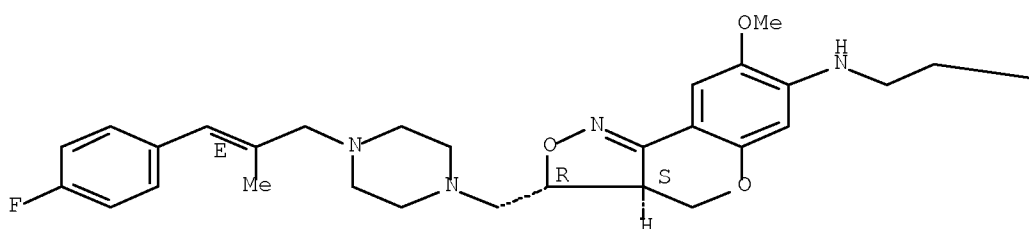


RN 612074-79-0 CAPLUS

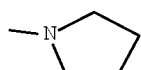
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-[2-(1-pyrrolidinyl)ethyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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PAGE 1-B

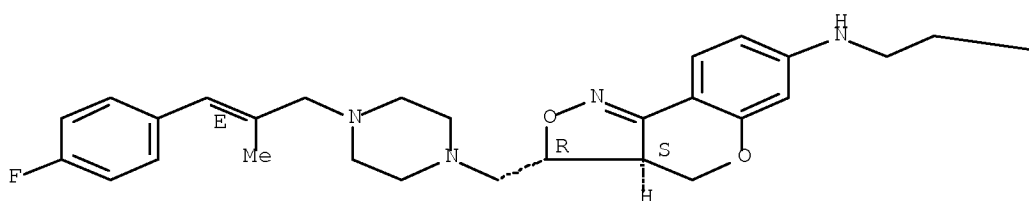


RN 612074-80-3 CAPLUS

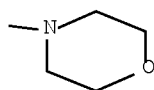
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-N-[2-(4-morpholinyl)ethyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

PAGE 1-A



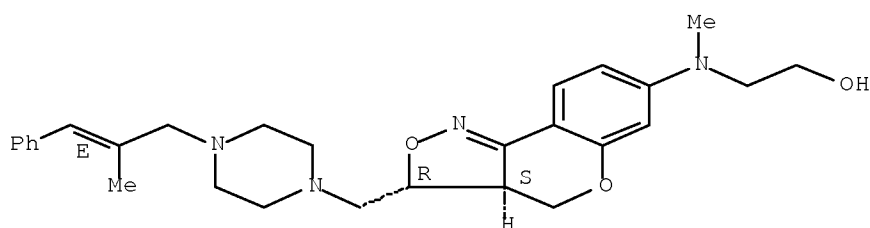
PAGE 1-B



RN 612074-81-4 CAPLUS

CN Ethanol, 2-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

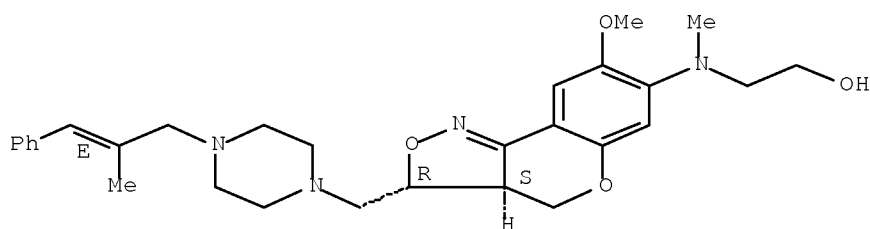
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-82-5 CAPLUS

CN Ethanol, 2-[[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

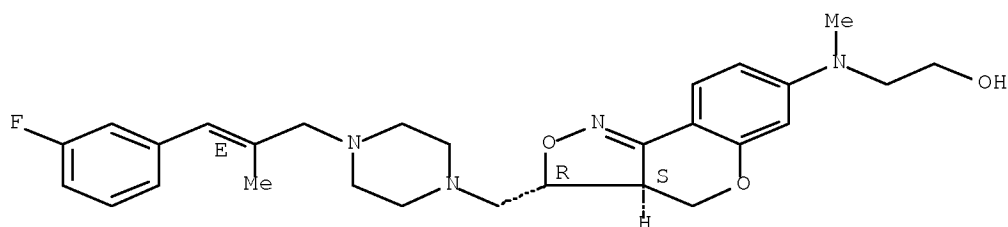
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-83-6 CAPLUS

CN Ethanol, 2-[[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

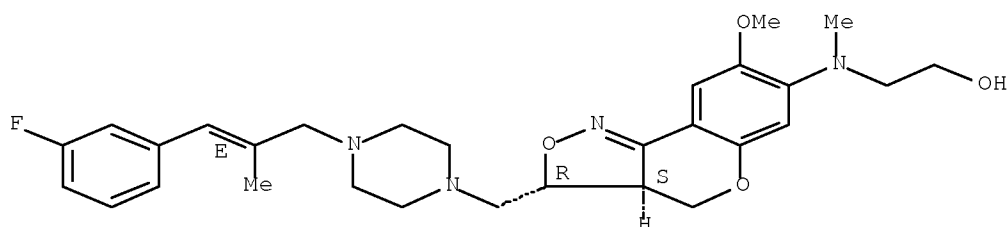
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-84-7 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

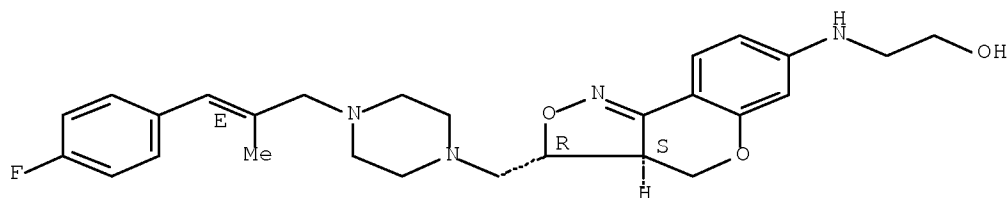
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-85-8 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]-, rel- (9CI) (CA INDEX NAME)

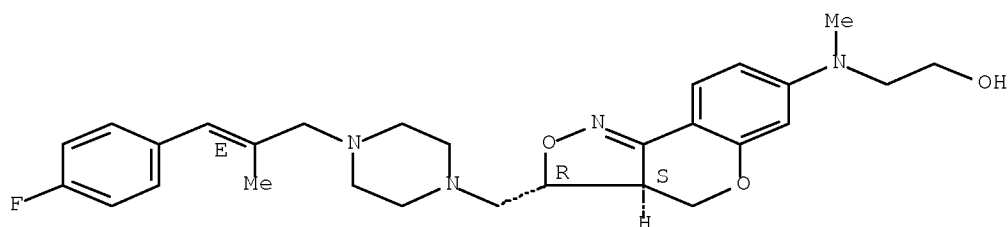
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-86-9 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

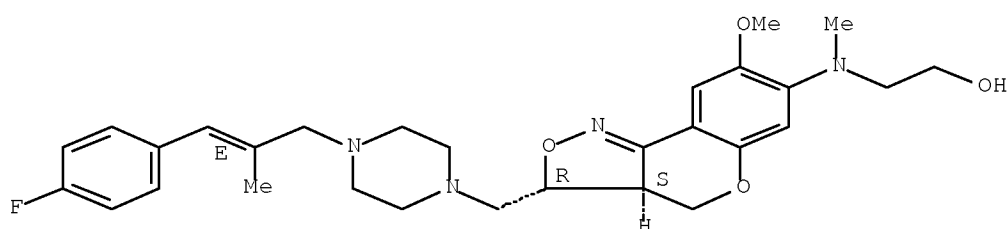
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-87-0 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]-, rel- (9CI) (CA INDEX NAME)

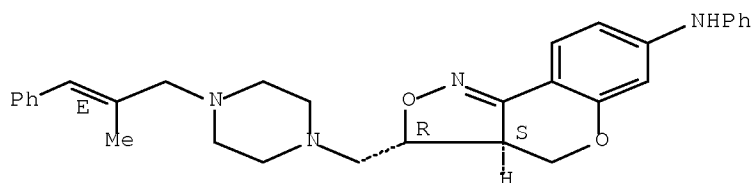
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-88-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-phenyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

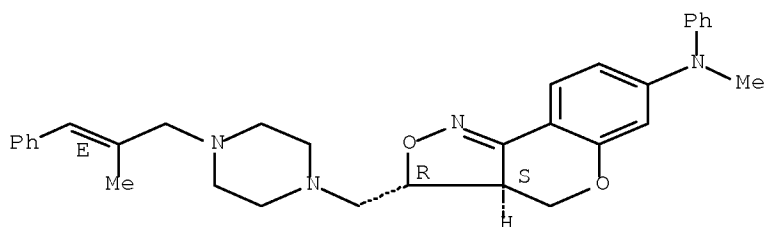
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-89-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-phenyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

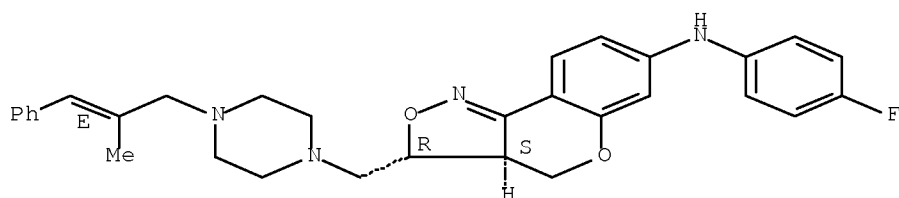
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-90-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(4-fluorophenyl)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

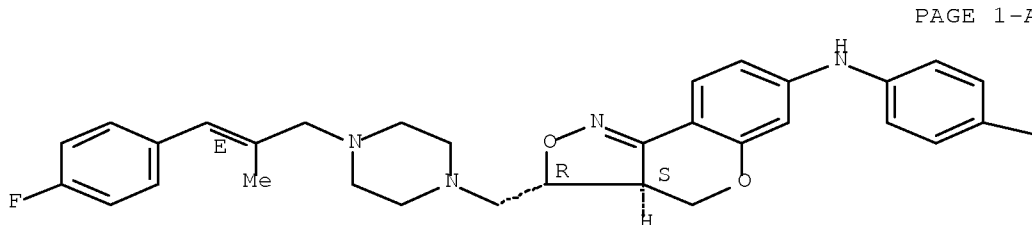
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-91-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-N-(4-methoxyphenyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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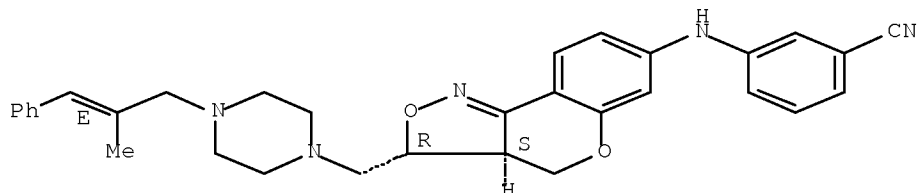
PAGE 1-B

— OMe

RN 612074-92-7 CAPLUS

CN Benzonitrile, 3-[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]-, rel- (9CI) (CA INDEX NAME)

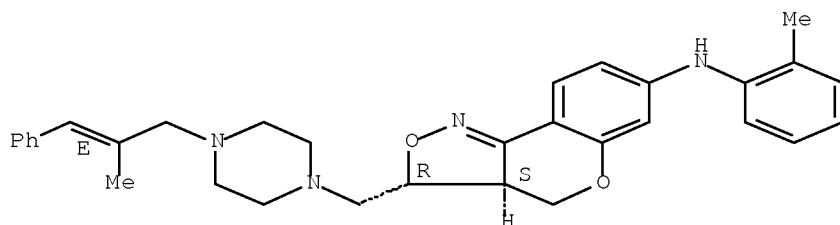
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-93-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-(2-methylphenyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

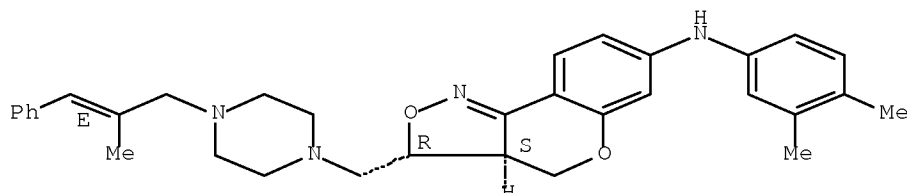
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-94-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(3,4-dimethylphenyl)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

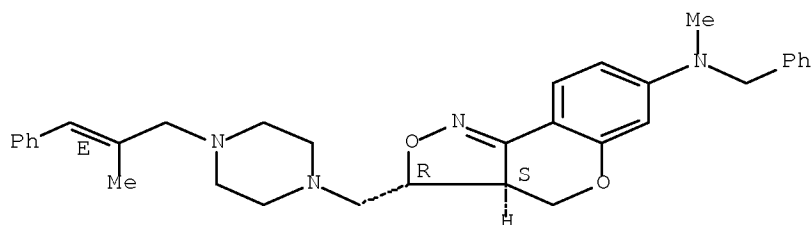
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-95-0 CAPLUS

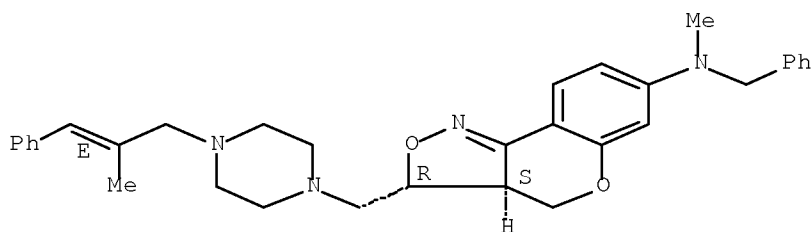
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-(phenylmethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 612074-96-1 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-N-(phenylmethyl)-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

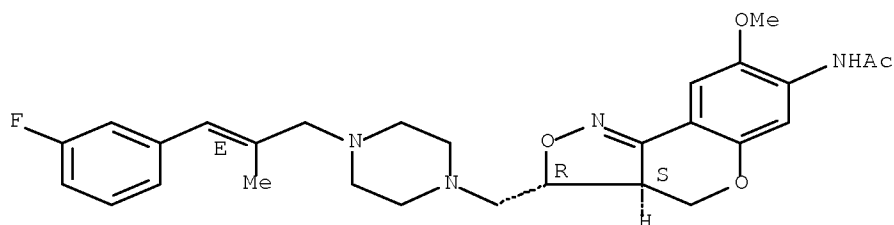
Relative stereochemistry.
Double bond geometry as shown.



● 2 HCl

RN 612074-97-2 CAPLUS
CN Acetamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

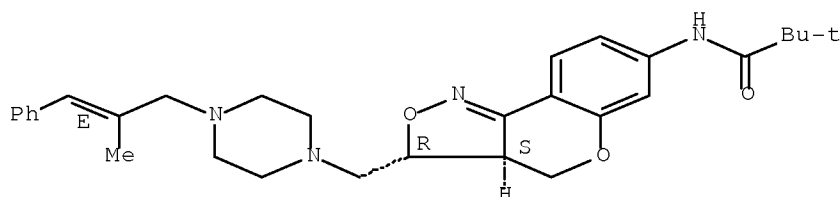
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-98-3 CAPLUS
CN Propanamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2,2-

dimethyl-, rel- (9CI) (CA INDEX NAME)

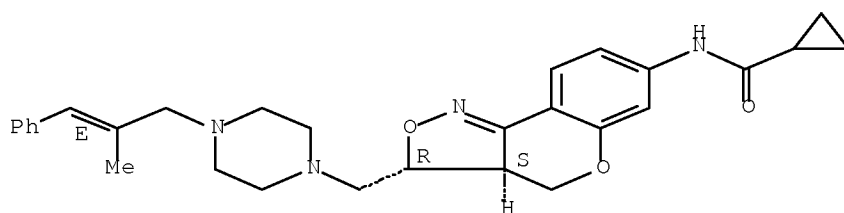
Relative stereochemistry.
Double bond geometry as shown.



RN 612074-99-4 CAPLUS

CN Cyclopropanecarboxamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

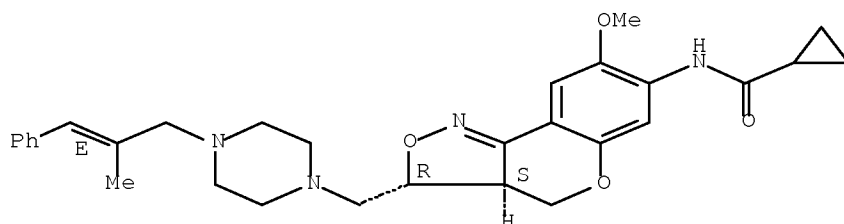
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-00-0 CAPLUS

CN Cyclopropanecarboxamide, N-[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

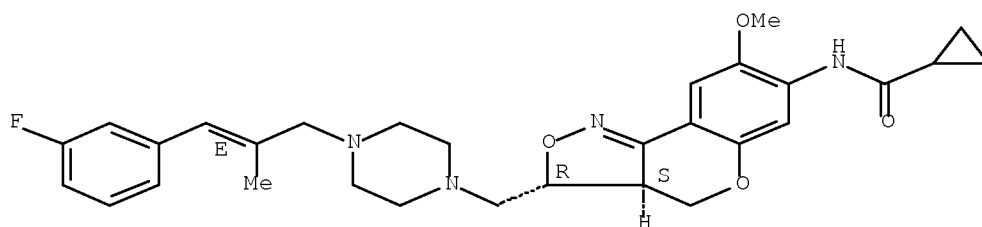


RN 612075-01-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

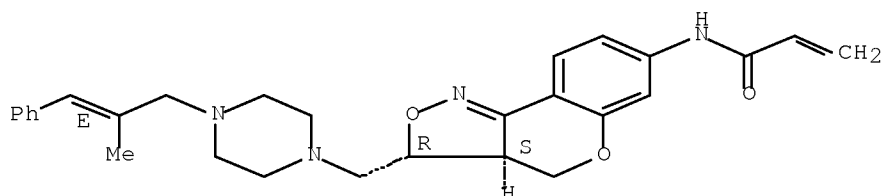


RN 612075-02-2 CAPLUS

CN 2-Propenamide, N-[(3R, 3aS)-3a, 4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

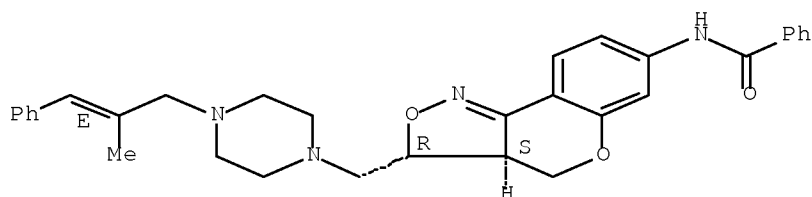


RN 612075-03-3 CAPLUS

CN Benzamide, N-[(3R, 3aS)-3a, 4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

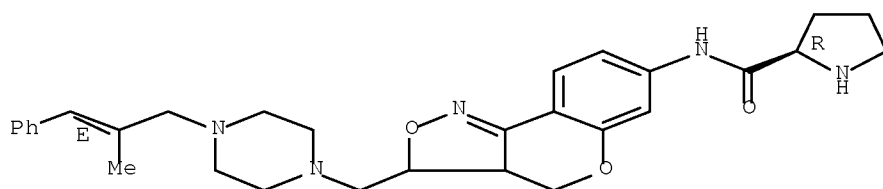


RN 612075-04-4 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[3a, 4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

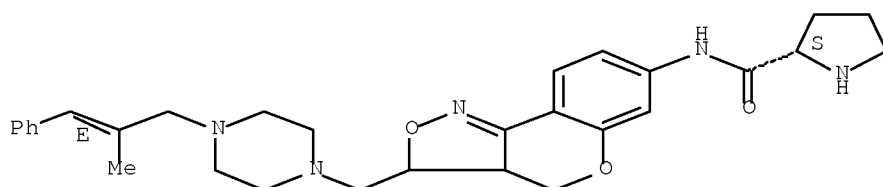
Double bond geometry as shown.



RN 612075-05-5 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, (2S)- (9CI) (CA INDEX NAME)

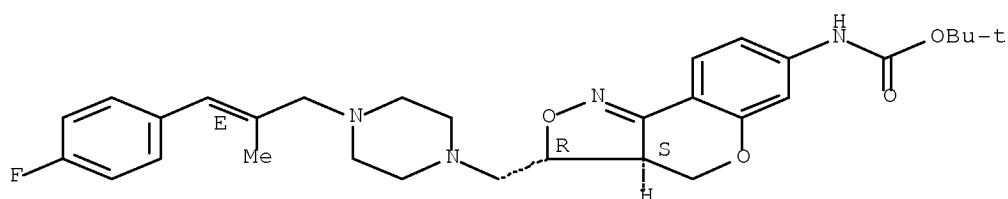
Absolute stereochemistry.
Double bond geometry as shown.



RN 612075-06-6 CAPLUS

CN Carbamic acid, [(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

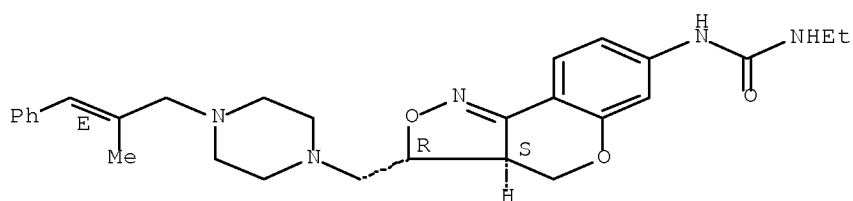
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-07-7 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-ethyl-, rel- (9CI) (CA INDEX NAME)

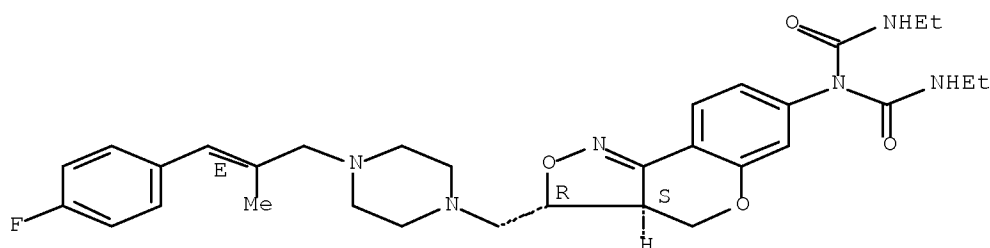
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-08-8 CAPLUS

CN Imidodicarbonic diamide, N,N'-diethyl-2-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

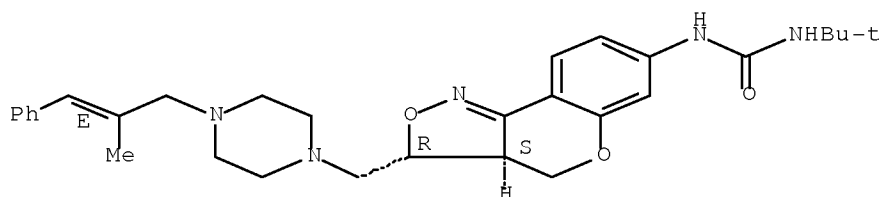
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-09-9 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(1,1-dimethylethyl)-, rel- (9CI) (CA INDEX NAME)

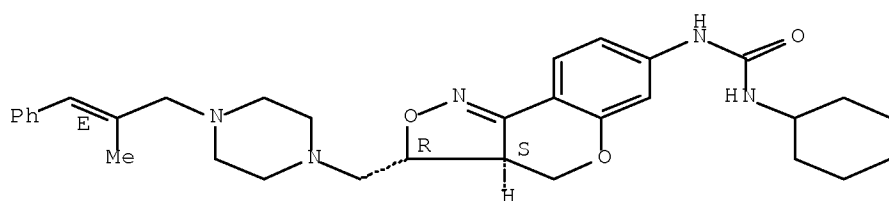
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-10-2 CAPLUS

CN Urea, N-cyclohexyl-N'-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

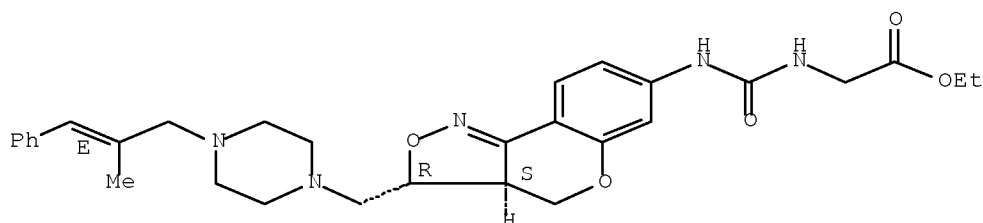
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-11-3 CAPLUS

CN Glycine, N-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]carbonyl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

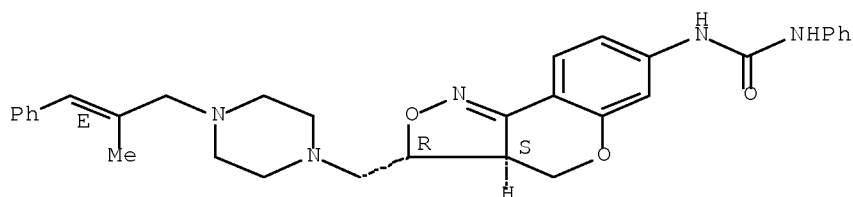
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-12-4 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-phenyl-, rel- (9CI) (CA INDEX NAME)

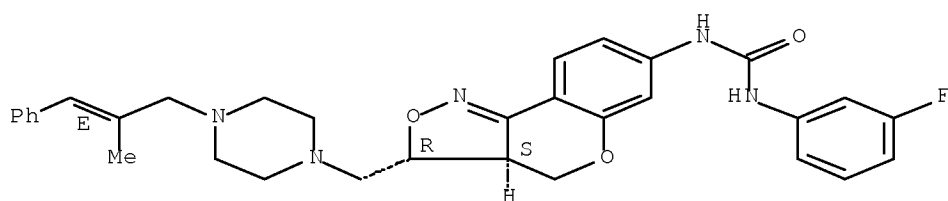
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-13-5 CAPLUS

CN Urea, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-(3-fluorophenyl)-, rel- (9CI) (CA INDEX NAME)

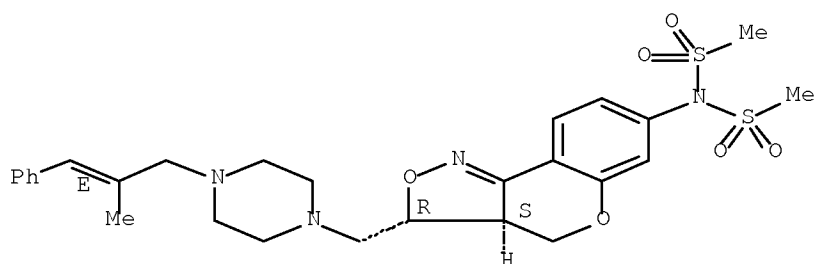
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-14-6 CAPLUS

CN Methanesulfonamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-(methylsulfonyl)-, rel- (9CI) (CA INDEX NAME)

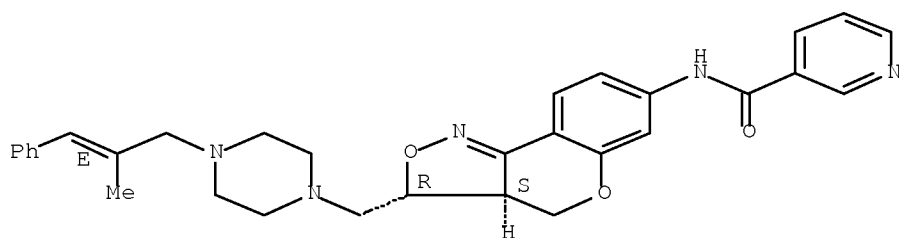
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-15-7 CAPLUS

CN 3-Pyridinecarboxamide, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

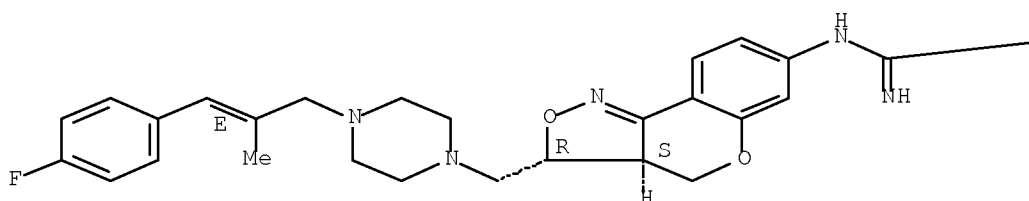


RN 612075-16-8 CAPLUS

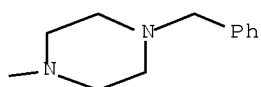
CN 1-Piperazinecarboximidamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-4-(phenylmethyl)-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

PAGE 1-A



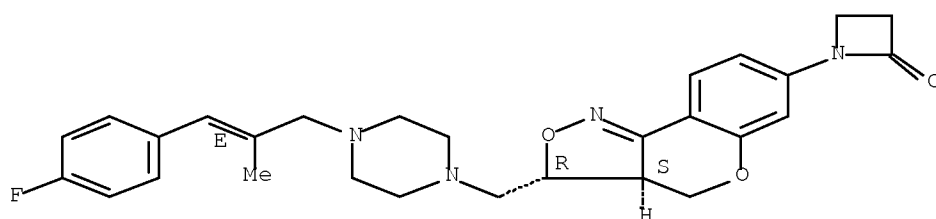
PAGE 1-B



RN 612075-17-9 CAPLUS

CN 2-Azetidinone, 1-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

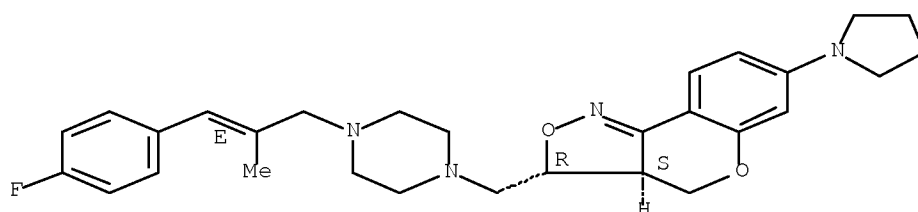
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-18-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(1-pyrrolidinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

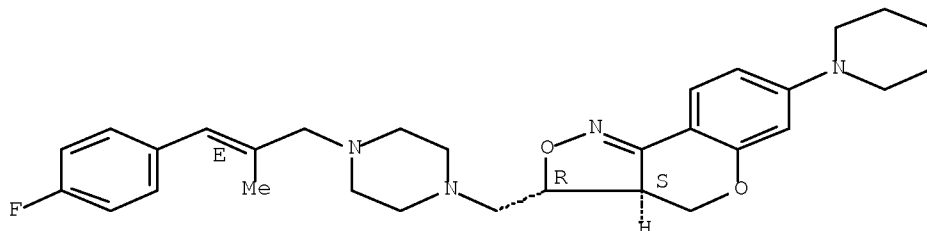
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-19-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(1-piperidinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

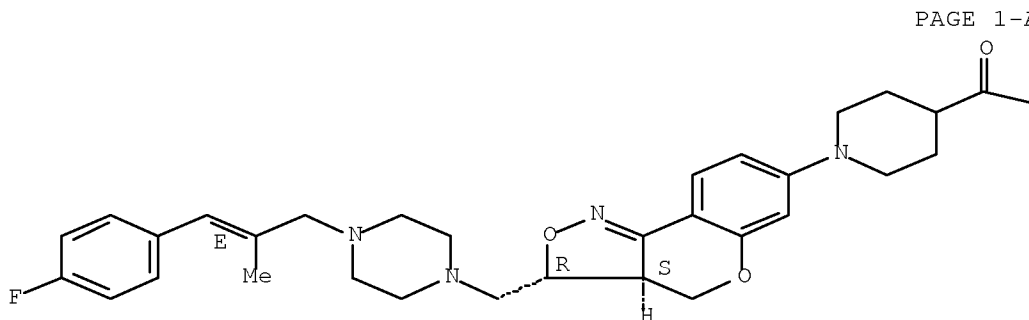
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-20-4 CAPLUS

CN 4-Piperidinecarboxylic acid, 1-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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PAGE 1-B

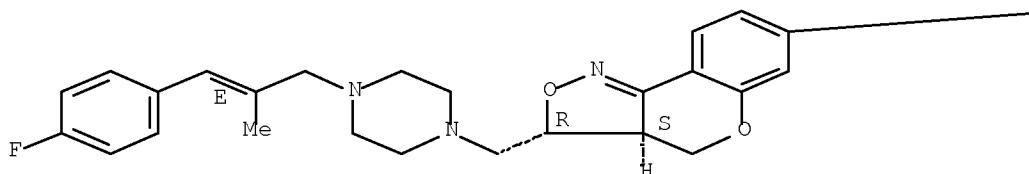
—OEt

RN 612075-21-5 CAPLUS

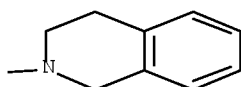
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(3,4-dihydro-2(1H)-isoquinoliny)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

PAGE 1-A



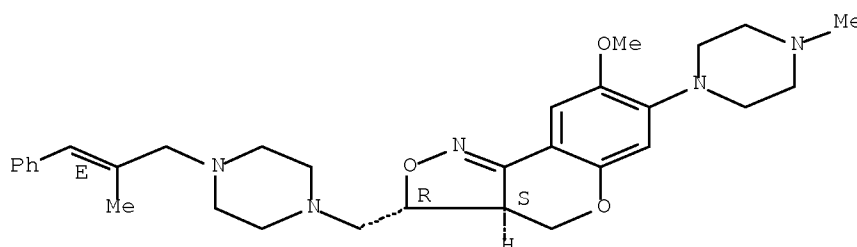
PAGE 1-B



RN 612075-22-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(4-methyl-1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

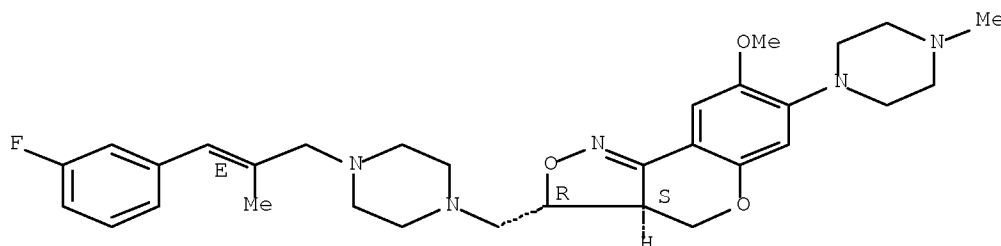
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-23-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(4-methyl-1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

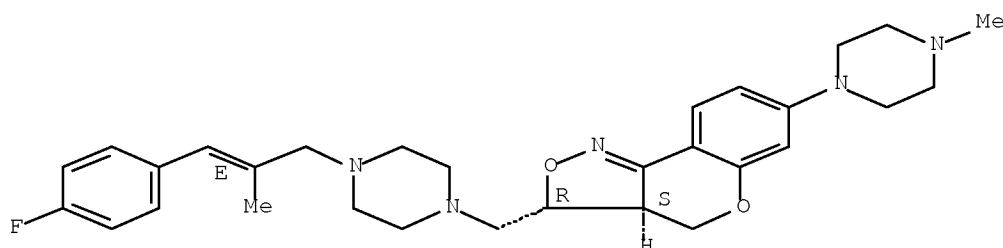


RN 612075-24-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(4-methyl-1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

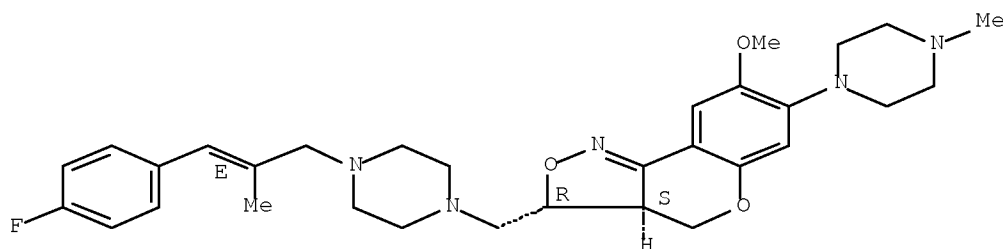


RN 612075-25-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(4-methyl-1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

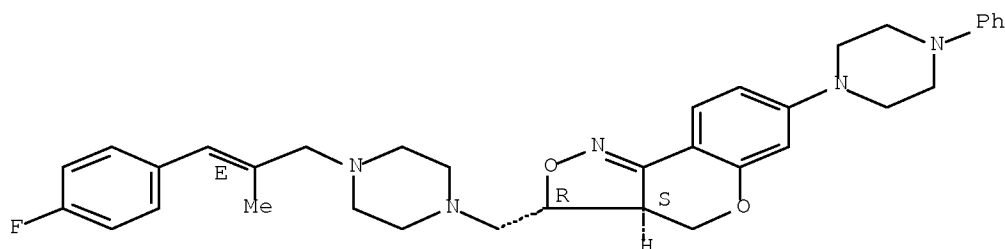


RN 612075-26-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(4-phenyl-1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

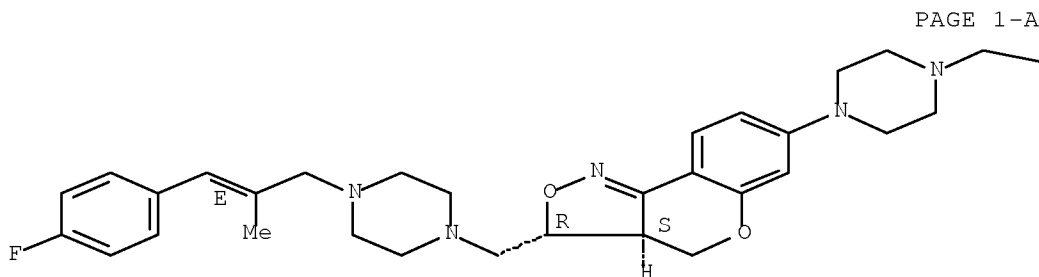
Double bond geometry as shown.



RN 612075-27-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-[4-(phenylmethyl)-1-piperazinyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



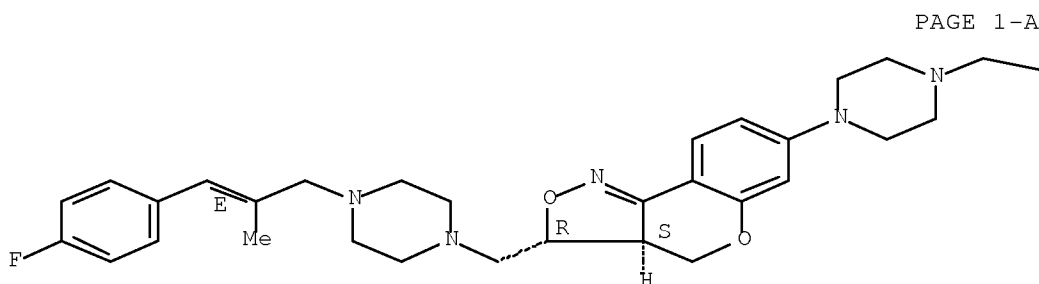
PAGE 1-B

— Ph

RN 612075-28-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



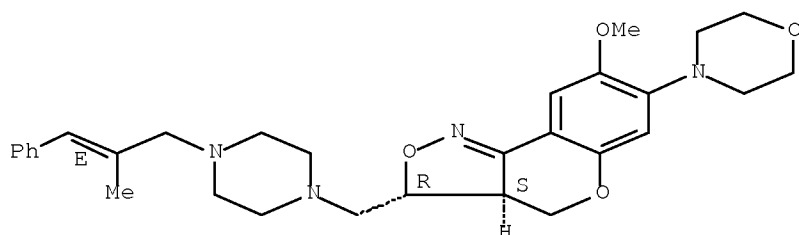
PAGE 1-B

— E — Ph

RN 612075-29-3 CAPLUS

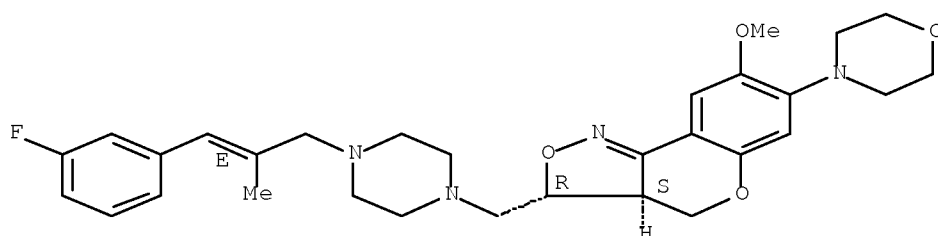
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(4-morpholinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



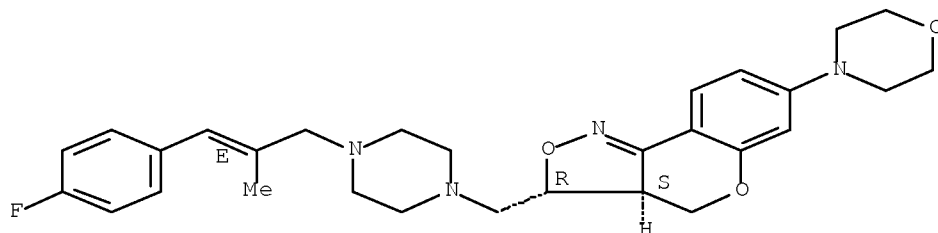
RN 612075-30-6 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(4-morpholinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 612075-31-7 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(4-morpholinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

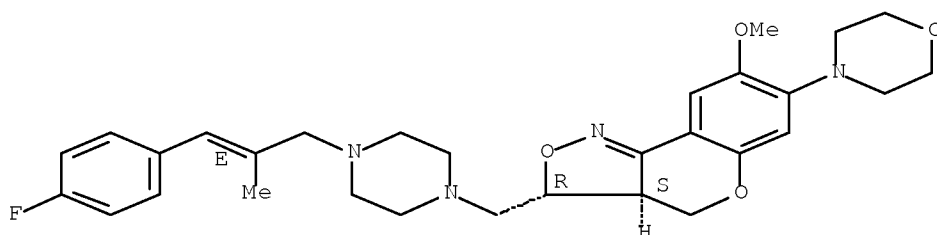
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-32-8 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(4-morpholinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

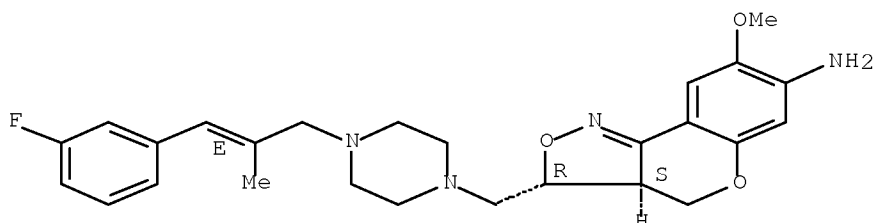


RN 612075-33-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

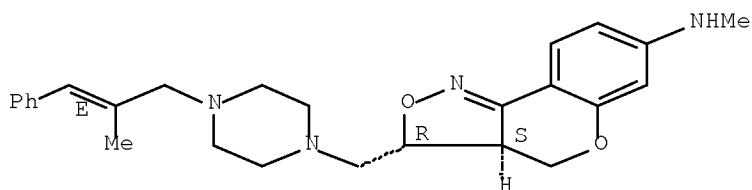


RN 612075-34-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



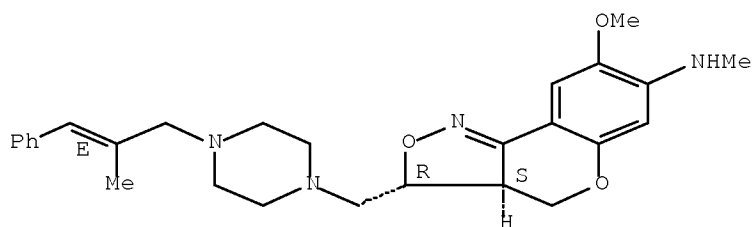
● 2 HCl

RN 612075-35-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3a,4-dihydro-8-methoxy-N-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

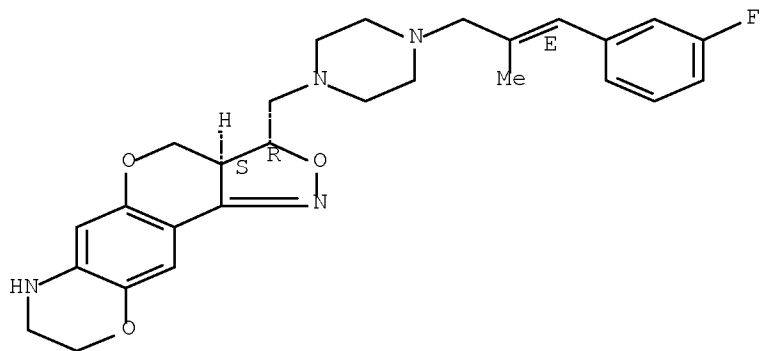


RN 612075-36-2 CAPLUS

CN 3H, 7H-Isoxazolo[3', 4':4, 5]pyrano[2, 3-g][1, 4]benzoxazine,
3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-
3a, 4, 8, 9-tetrahydro-, (3R, 3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

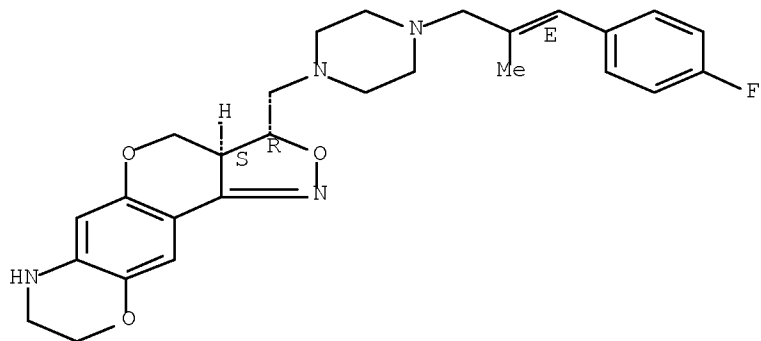


RN 612075-37-3 CAPLUS

CN 3H, 7H-Isoxazolo[3', 4':4, 5]pyrano[2, 3-g][1, 4]benzoxazine,
3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-
3a, 4, 8, 9-tetrahydro-, (3R, 3aS)-rel- (9CI) (CA INDEX NAME)

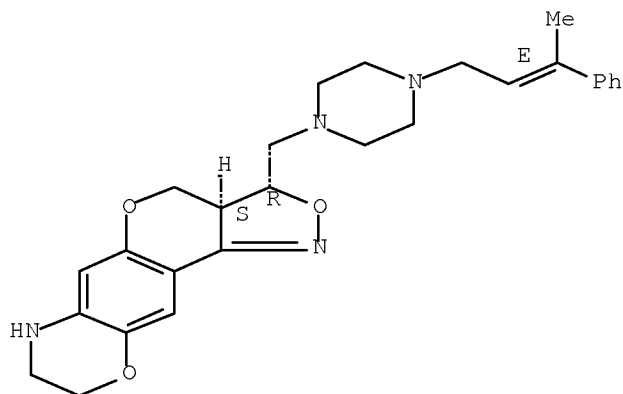
Relative stereochemistry.

Double bond geometry as shown.



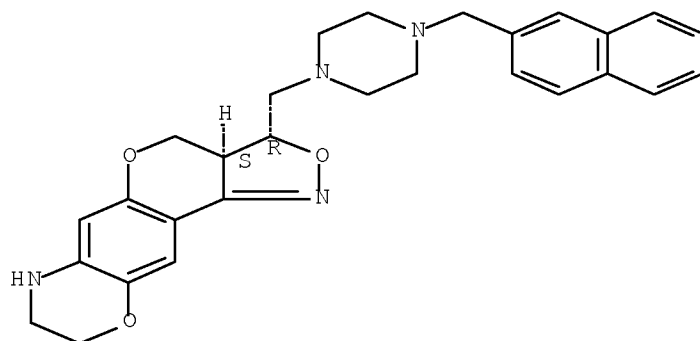
RN 612075-38-4 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine,
 3a,4,8,9-tetrahydro-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-
 , (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
 Double bond geometry as shown.



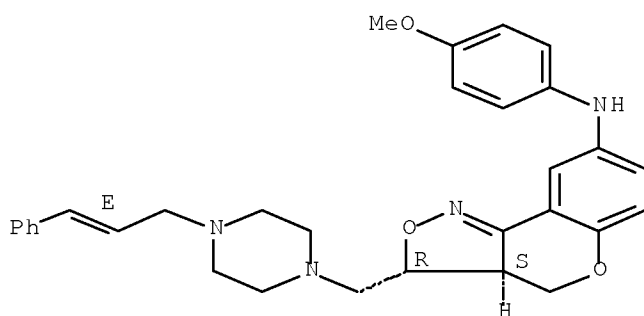
RN 612075-39-5 CAPLUS
 CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine,
 3a,4,8,9-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-,
 (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 612075-40-8 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazol-8-amine, 3a,4-dihydro-N-(4-methoxyphenyl)-
 3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-
 (9CI) (CA INDEX NAME)

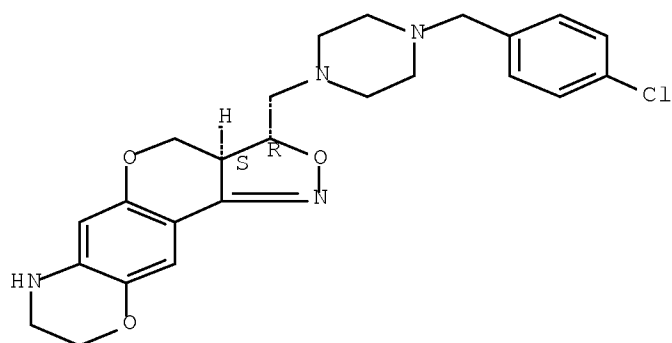
Relative stereochemistry.
 Double bond geometry as shown.



RN 612075-41-9 CAPLUS

CN 3H,7H-Isloxazolo[3',4':4,5]pyrano[2,3-g][1,4]benzoxazine,
3-[[4-[(4-chlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4,8,9-tetrahydro-,
(3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

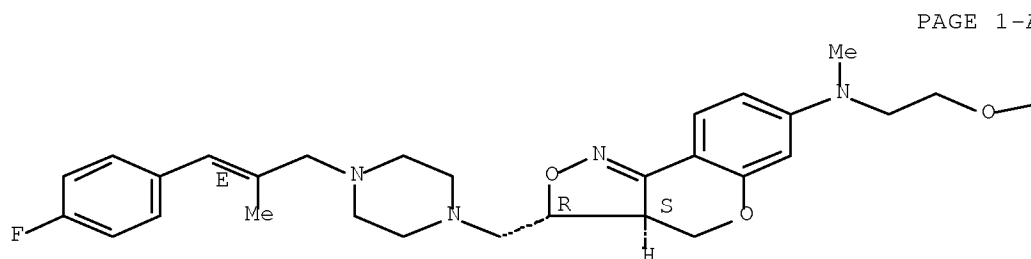


RN 612075-42-0 CAPLUS

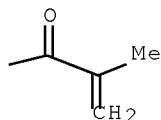
CN 2-Propenoic acid, 2-methyl-, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]ethyl ester, rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



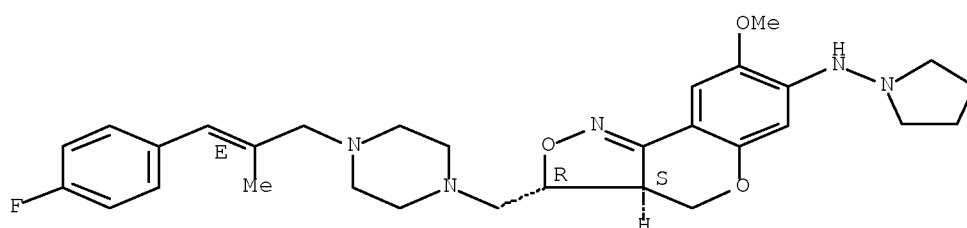
PAGE 1-A



RN 612075-43-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-1-pyrrolidinyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

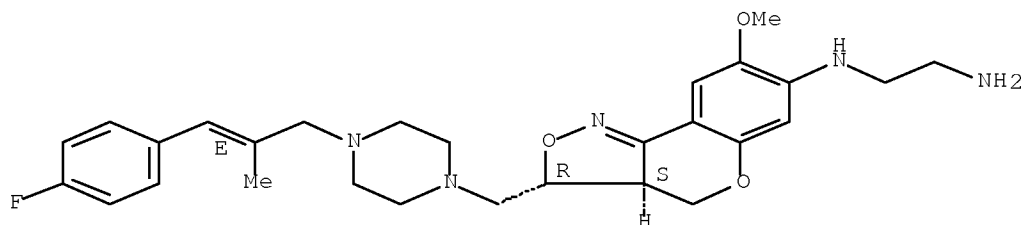
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-44-2 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

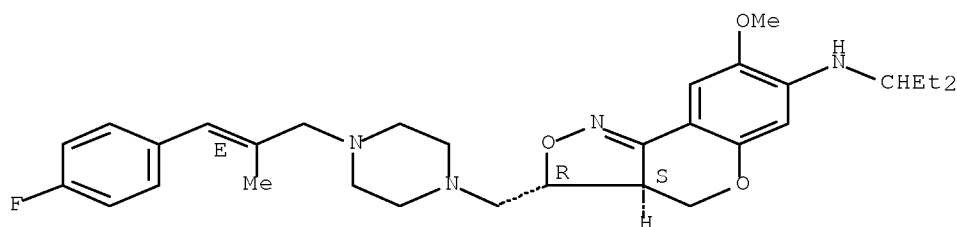
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-45-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(1-ethylpropyl)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

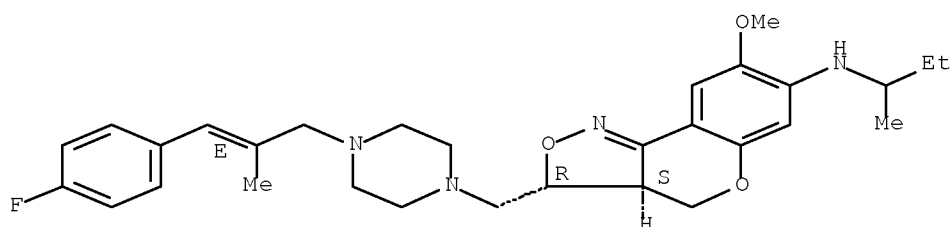
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-46-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-(1-methylpropyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

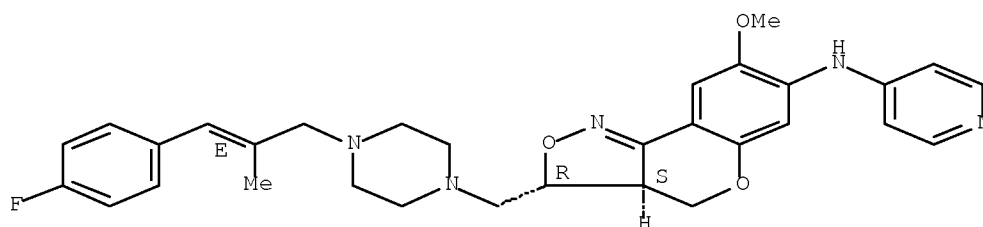
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-47-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-4-pyridinyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

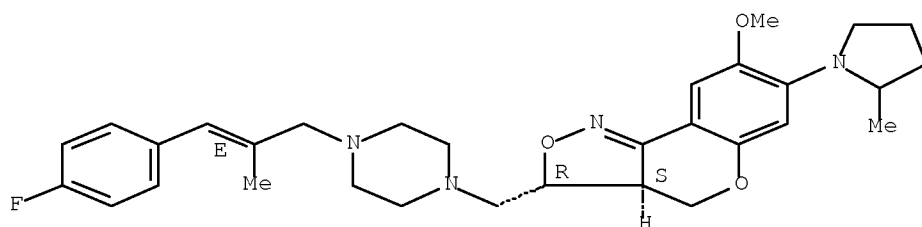
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-48-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(2-methyl-1-pyrrolidinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

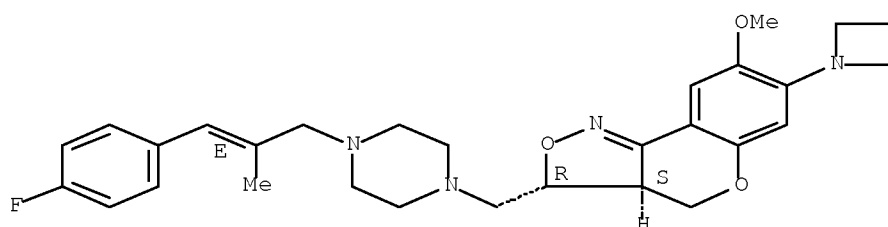
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-49-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(1-azetidiny)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

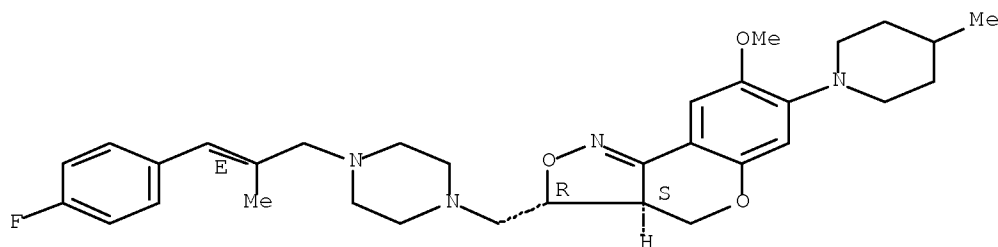
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-50-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-7-(4-methyl-1-piperidinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

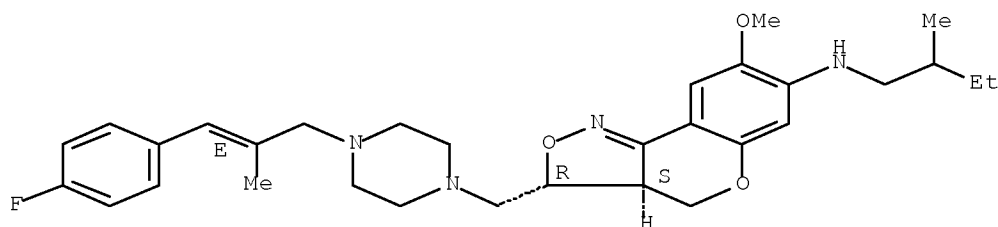
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-51-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-(2-methylbutyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

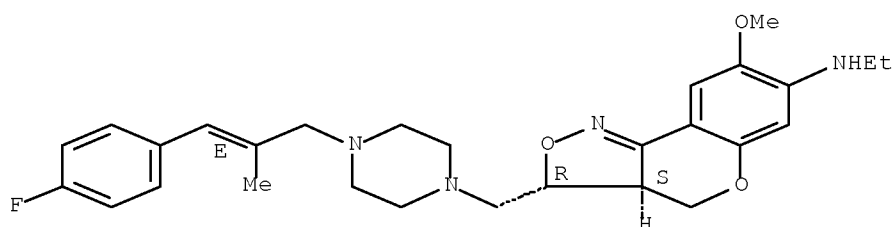
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-52-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-ethyl-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

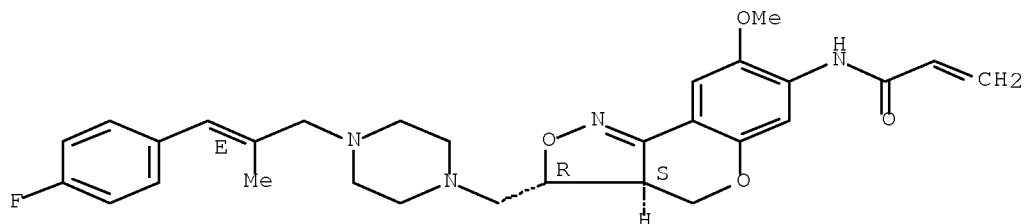
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-53-3 CAPLUS

CN 2-Propenamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

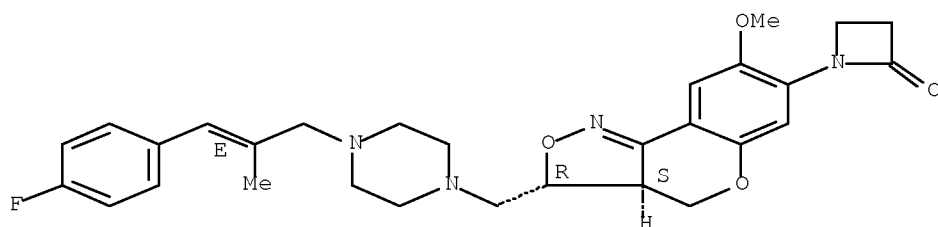
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-54-4 CAPLUS

CN 2-Azetidinone, 1-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

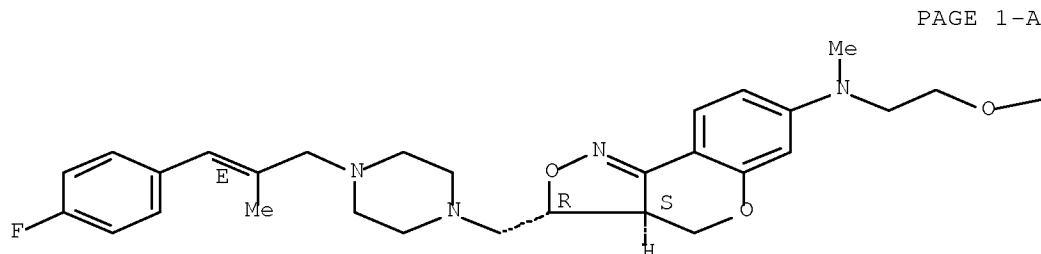
Relative stereochemistry.
Double bond geometry as shown.



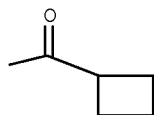
RN 612075-55-5 CAPLUS

CN Cyclobutanecarboxylic acid, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]ethyl ester, rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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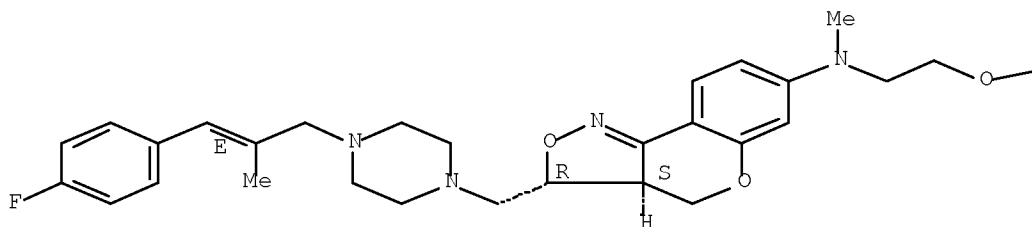
PAGE 1-B

RN 612075-56-6 CAPLUS

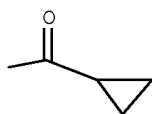
CN Cyclopropanecarboxylic acid, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]ethyl ester, rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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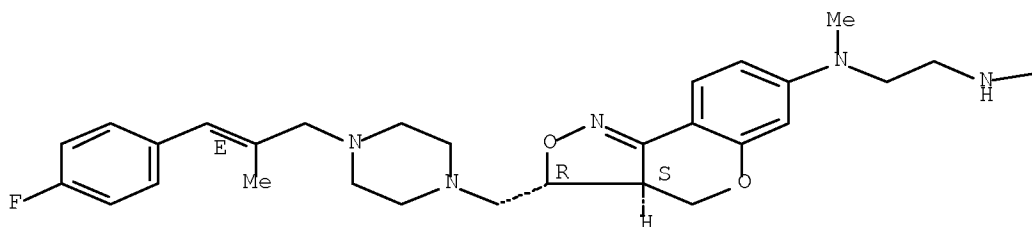


RN 612075-57-7 CAPLUS

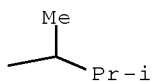
CN 1,2-Ethanediamine, N'-(1,2-dimethylpropyl)-N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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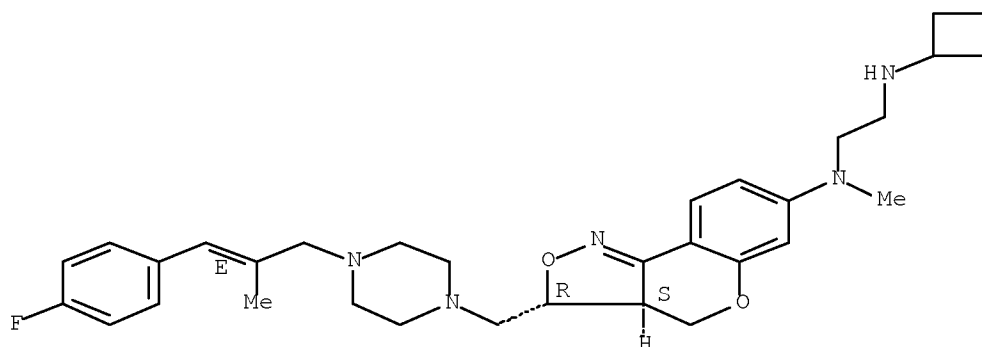
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RN 612075-58-8 CAPLUS

CN 1,2-Ethanediamine, N'-cyclobutyl-N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



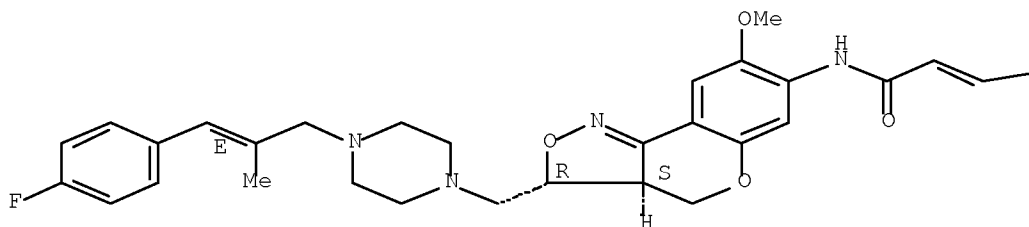
RN 612075-59-9 CAPLUS

CN 2-Butenamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as described by E or Z.

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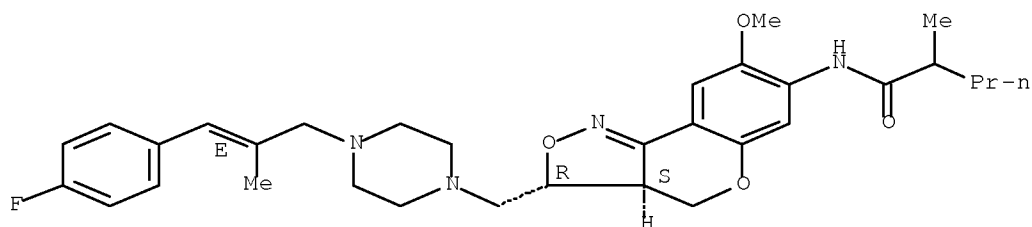
Me

RN 612075-60-2 CAPLUS

CN Pentanamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

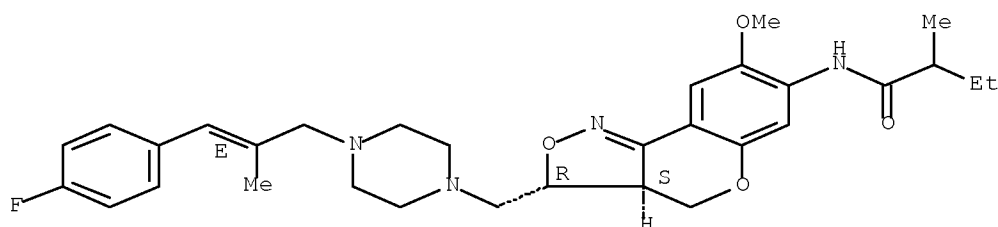
Double bond geometry as shown.



RN 612075-61-3 CAPLUS

CN Butanamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-2-methyl-, rel- (9CI) (CA INDEX NAME)

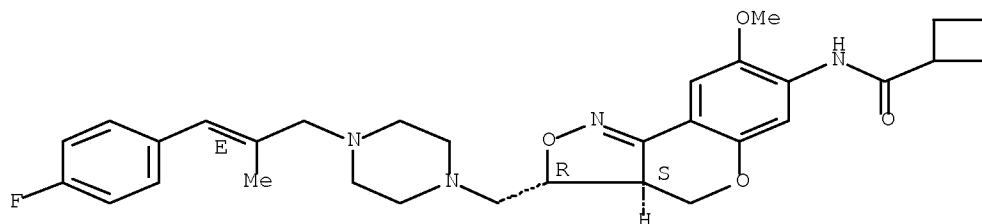
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-62-4 CAPLUS

CN Cyclobutanecarboxamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

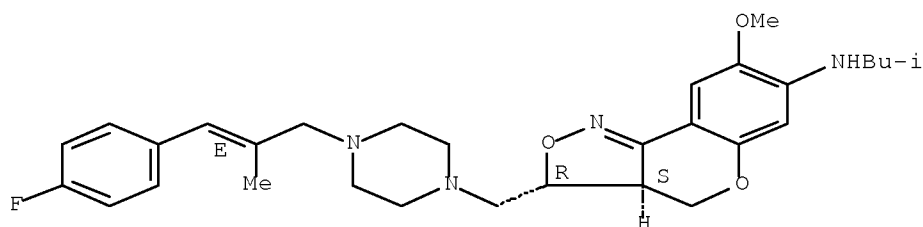
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-63-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-(2-methylpropyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

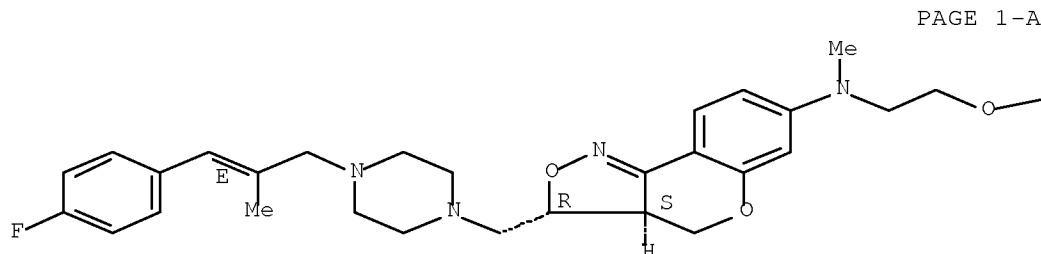
Relative stereochemistry.
Double bond geometry as shown.



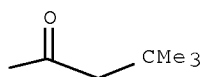
RN 612075-64-6 CAPLUS

CN Butanoic acid, 3,3-dimethyl-, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]ethyl ester, rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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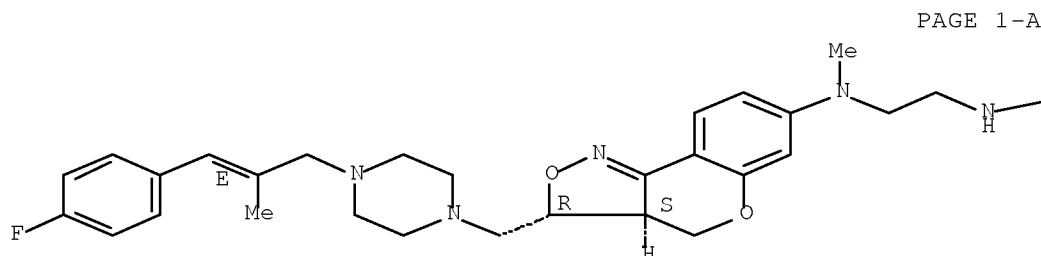


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RN 612075-65-7 CAPLUS

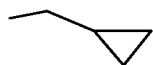
CN 1,2-Ethanediamine, N'-(cyclopropylmethyl)-N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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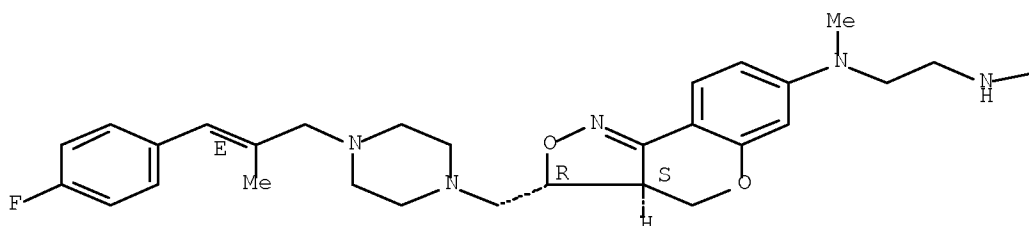


RN 612075-66-8 CAPLUS

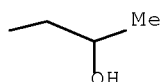
CN 2-Propanol, 1-[[2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methylamino]ethyl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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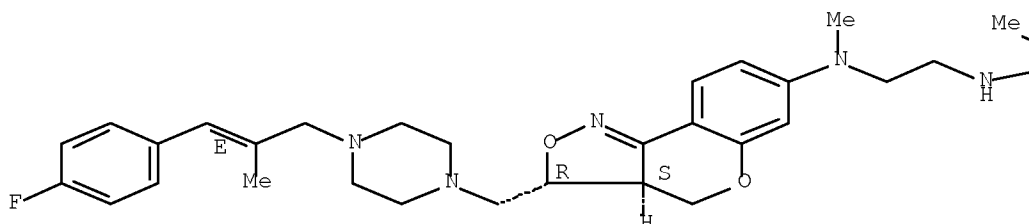


RN 612075-67-9 CAPLUS

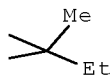
CN 1,2-Ethanediamine, N'-(1,1-dimethylpropyl)-N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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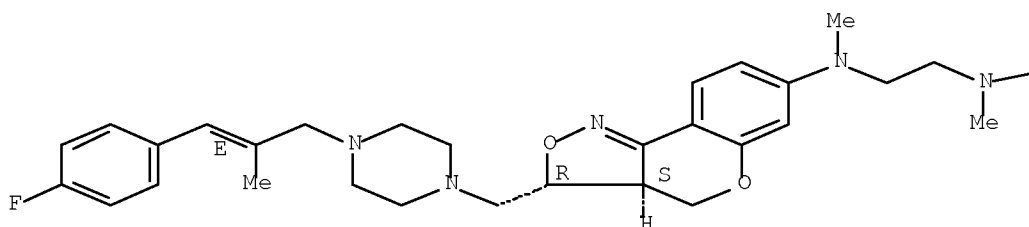


RN 612075-68-0 CAPLUS

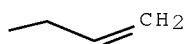
CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N'-dimethyl-N'-2-propenyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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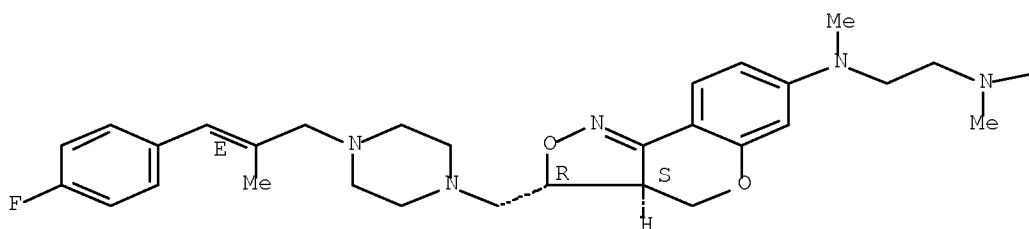


RN 612075-69-1 CAPLUS

CN 1,2-Ethanediamine, N-(1,1-dimethylethyl)-N'-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N'-dimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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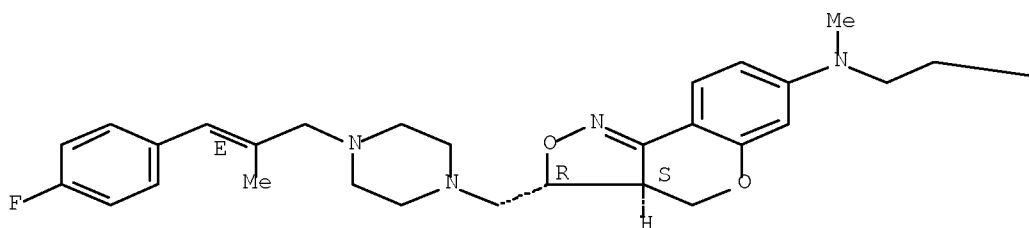
PAGE 1-B

—Bu-t

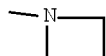
RN 612075-70-4 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-[2-(1-azetidiny)ethyl]-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-N-methyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
 Double bond geometry as shown.

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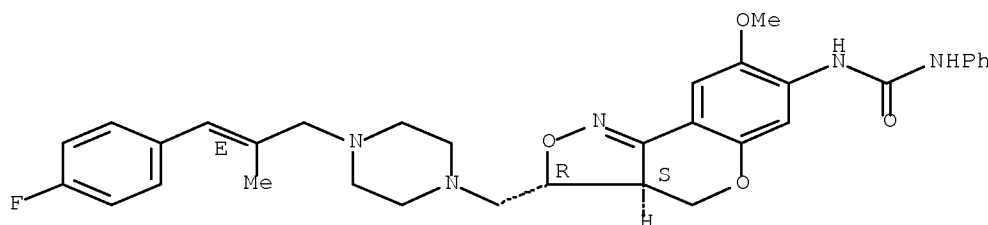


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RN 612075-71-5 CAPLUS
 CN Urea, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-phenyl-, rel- (9CI) (CA INDEX NAME)

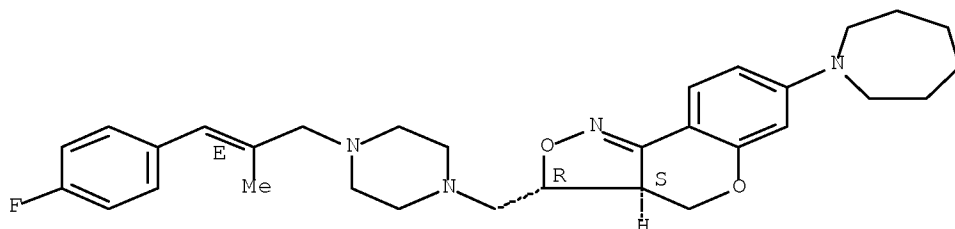
Relative stereochemistry.
 Double bond geometry as shown.



RN 612075-72-6 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-

2-propenyl]-1-piperazinyl)methyl]-7-(hexahydro-1H-azepin-1-yl)-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

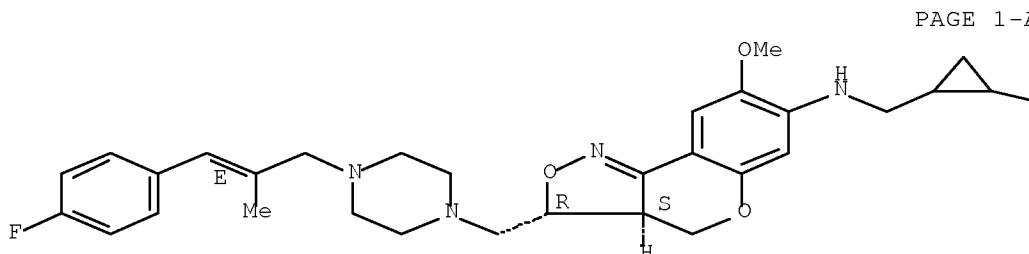
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-73-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-8-methoxy-N-[(2-methylcyclopropyl)methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



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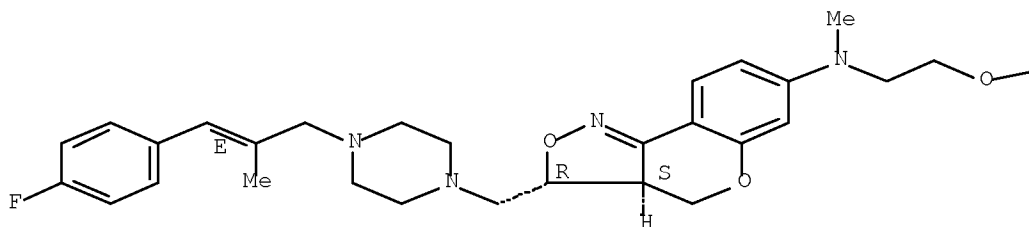
—Me

RN 612075-74-8 CAPLUS

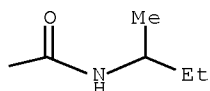
CN Carbamic acid, (1-methylpropyl)-, 2-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl)methylamino]ethyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

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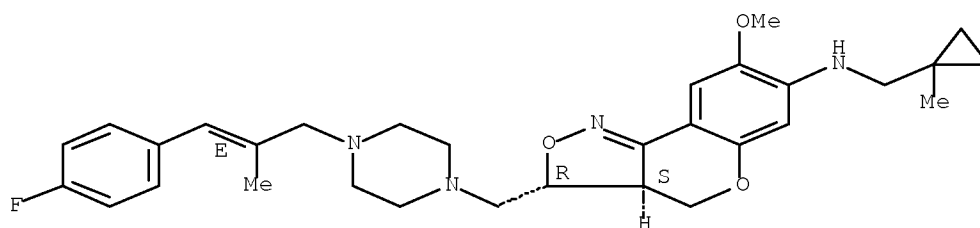
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RN 612075-75-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-N-[(1-methylcyclopropyl)methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

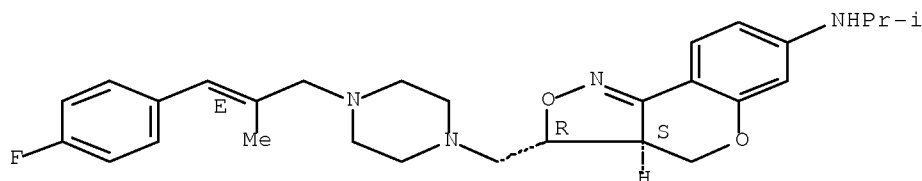
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-76-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-N-(1-methylethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

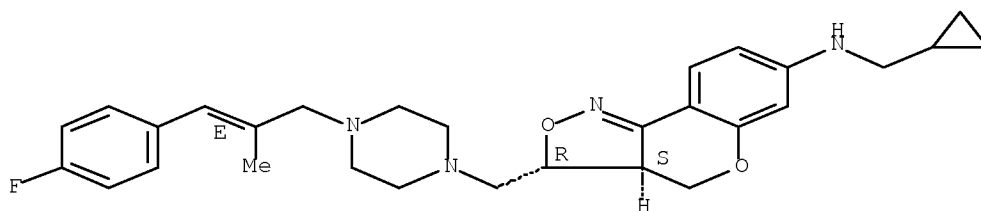


RN 612075-77-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, N-(cyclopropylmethyl)-3-[[4-

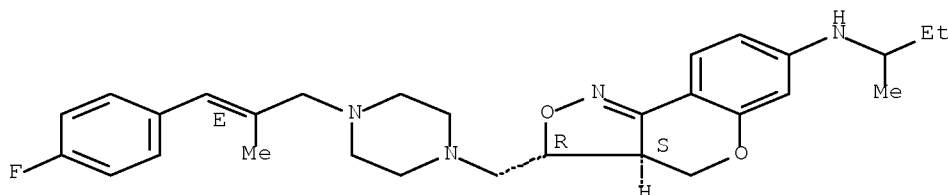
[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinylmethyl]-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



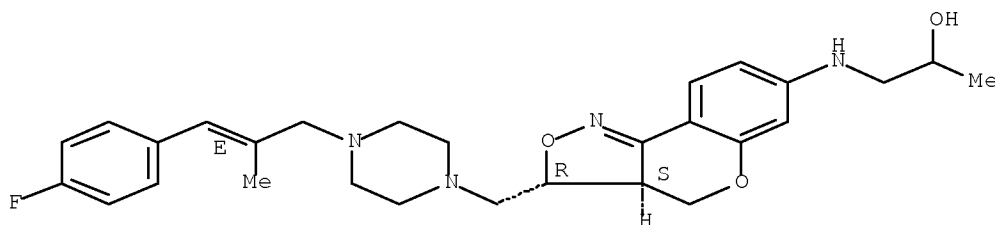
RN 612075-78-2 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinylmethyl]-3a,4-dihydro-N-(1-methylpropyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



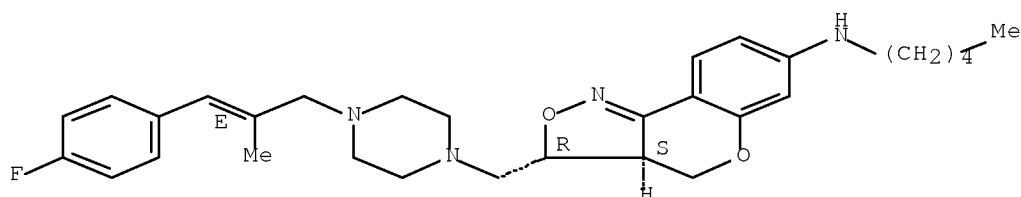
RN 612075-79-3 CAPLUS
CN 2-Propanol, 1-[[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinylmethyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 612075-80-6 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-amine, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinylmethyl]-3a,4-dihydro-N-pentyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

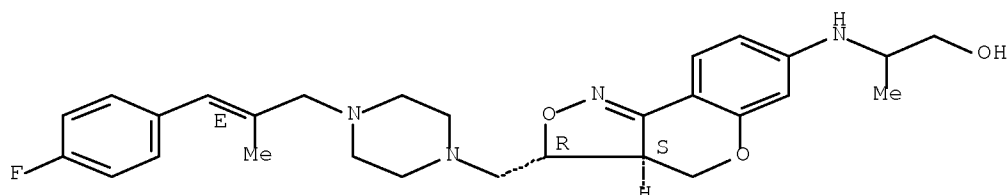
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-81-7 CAPLUS

CN 1-Propanol, 2-[[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]amino]-, rel- (9CI) (CA INDEX NAME)

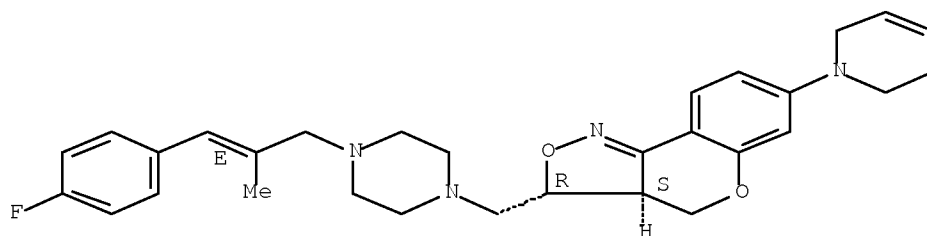
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-82-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(3,6-dihydro-1(2H)-pyridinyl)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

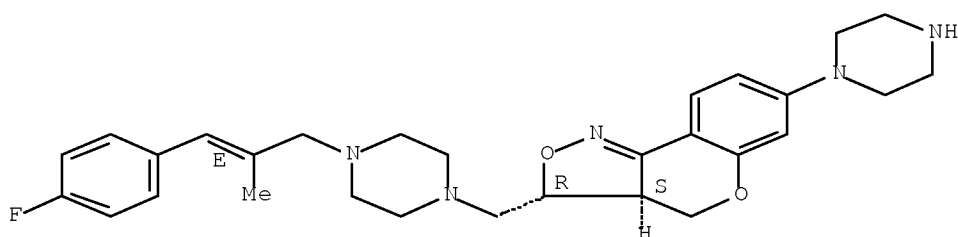
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-83-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7-(1-piperazinyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

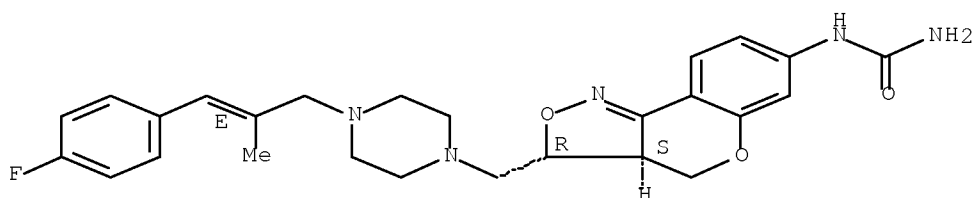
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-84-0 CAPLUS

CN Urea, [(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

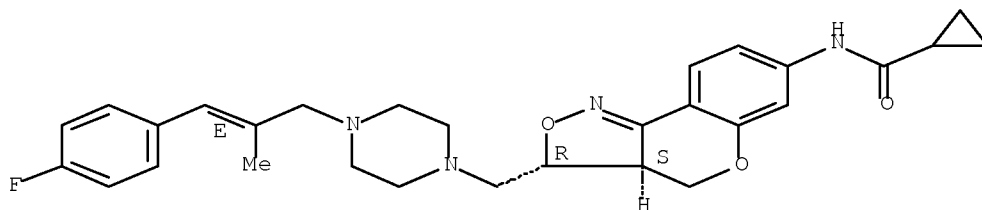
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-85-1 CAPLUS

CN Cyclopropanecarboxamide, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, rel- (9CI) (CA INDEX NAME)

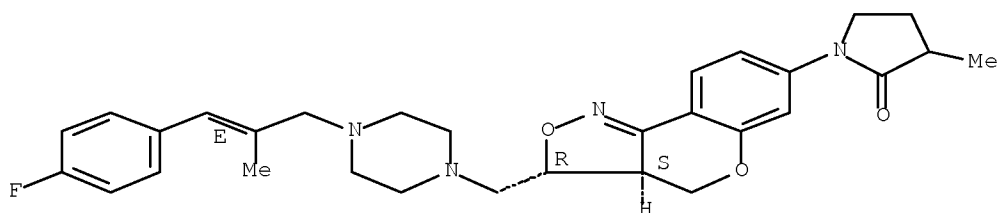
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-86-2 CAPLUS

CN 2-Pyrrolidinone, 1-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-3-methyl-, rel- (9CI) (CA INDEX NAME)

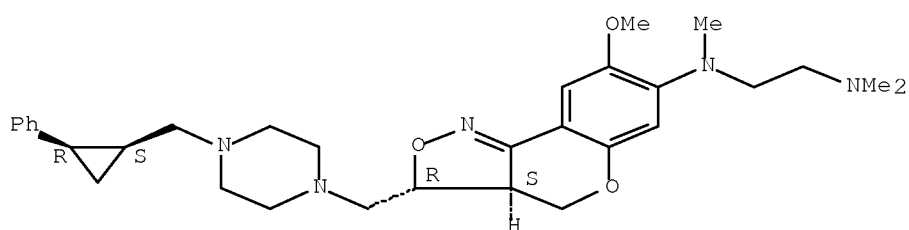
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-87-3 CAPLUS

CN 1,2-Ethanediamine, N-[(3S,3aR)-3a,4-dihydro-8-methoxy-3-[[4-[(1R,2S)-2-phenylcyclopropyl]methyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

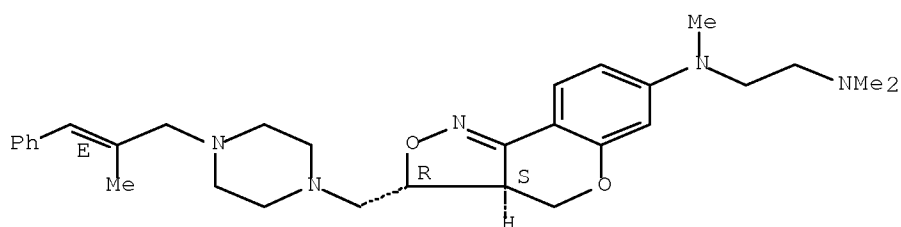


RN 612075-88-4 CAPLUS

CN 1,2-Ethanediamine, N-[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



IT 452319-29-8P

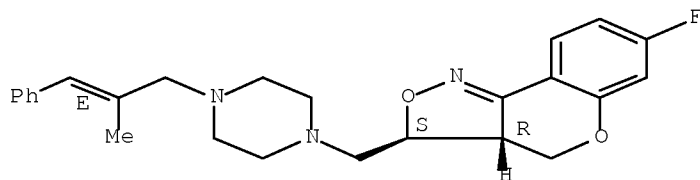
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of isoxazoline derivs. as antidepressants)

RN 452319-29-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-fluoro-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



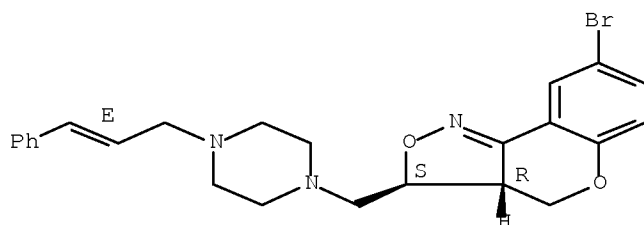
IT 452319-78-7 612075-96-4 612075-97-5
612075-98-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of isoxazoline derivs. as antidepressants)

RN 452319-78-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-bromo-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

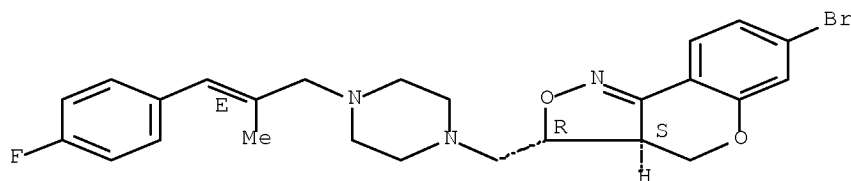
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-96-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-bromo-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

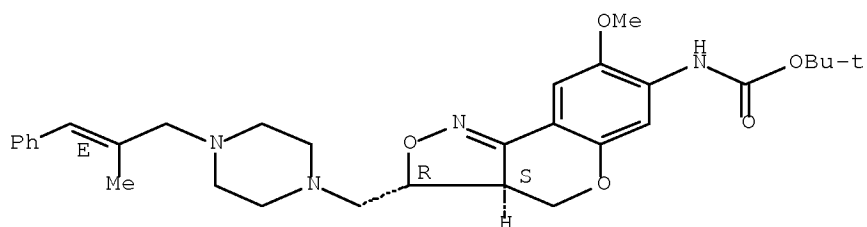
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-97-5 CAPLUS

CN Carbamic acid, [(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-, 1,1-dimethylethyl ester, rel- (9CI) (CA INDEX NAME)

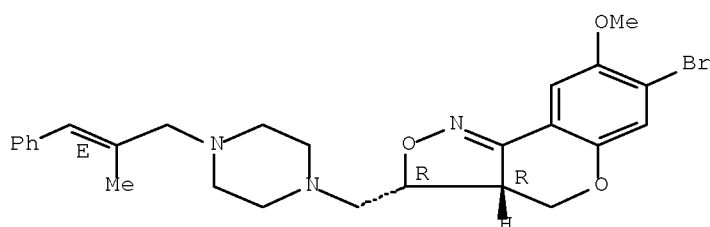
Relative stereochemistry.
Double bond geometry as shown.



RN 612075-98-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-bromo-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:535065 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 139:292184

TITLE: Synthesis of 3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles, displaying combined 5-HT uptake inhibiting and α 2-adrenoceptor antagonistic activities: a novel series of potential antidepressants

AUTHOR(S): Andres, J. Ignacio; Alcazar, Jesus; Alonso, Jose M.; Alvarez, Rosa M.; Cid, Jose M.; De Lucas, Ana I.; Fernandez, Javier; Martinez, Sonia; Nieto, Carmen; Pastor, Joaquin; Bakker, Margot H.; Biesmans, Ilse; Heylen, Lieve I.; Megens, Anton A.

CORPORATE SOURCE: Division of Janssen-Cilag, Medicinal Chemistry Department, Jarama s/n, Johnson & Johnson Pharmaceutical Research & Development, Toledo, 45007, Spain

SOURCE: Bioorganic & Medicinal Chemistry Letters (2003), 13(16), 2719-2725

CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Science B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 139:292184

AB The synthesis of a series of novel 3-piperazinylmethyl-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles as novel dual 5-HT re-uptake inhibitors and $\alpha 2$ -adrenoceptor antagonists is described. Their affinity at the three different human $\alpha 2$ -adrenoceptor subtypes and the 5-HT transporter site is reported. The in vivo activity of the compds. was measured in two different assays: (1) inhibition of pCA-induced excitation, which evaluates the ability to block the central 5-HT transporter, and (2) inhibition of xylazine-induced loss of righting, which evaluates the ability to block central $\alpha 2$ -adrenoceptors. Compds. thus prepared included (3R,3aS)-rel-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazole, (3R,3aS)-rel-(-)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazole, (3R,3aS)-rel-(+)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazole and derivs. thereof.

IT 452313-36-9P 452313-43-8P 452313-54-1P
 452313-56-3P 452313-77-8P 452314-18-0P
 452316-09-5P 452316-15-3P 452316-21-1P
 452316-33-5P 452316-36-8P 452316-66-4P
 452316-84-6P 452318-20-6P 452318-24-0P
 452318-26-2P 452318-93-3P 452318-95-5P
 452318-97-7P 452319-25-4P 452319-35-6P
 452320-01-3P 608146-10-7P 608146-11-8P
 608146-12-9P 608146-13-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of dihydro[1]benzopyrano[4,3-c]isoxazoles and their activity

as

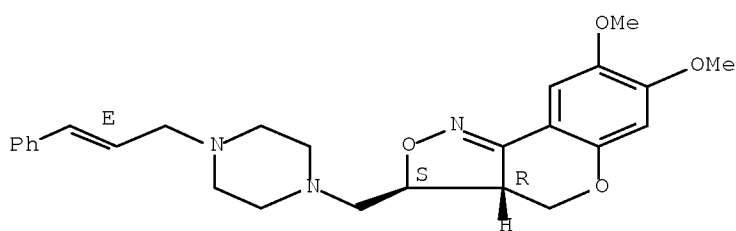
5-HT uptake inhibitors and $\alpha 2$ -adrenoceptor antagonists (potential antidepressants))

RN 452313-36-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

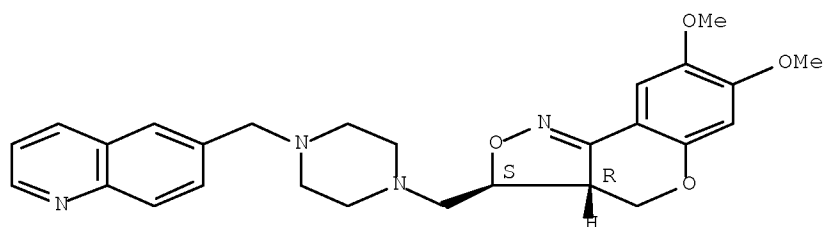
Double bond geometry as shown.



RN 452313-43-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(6-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

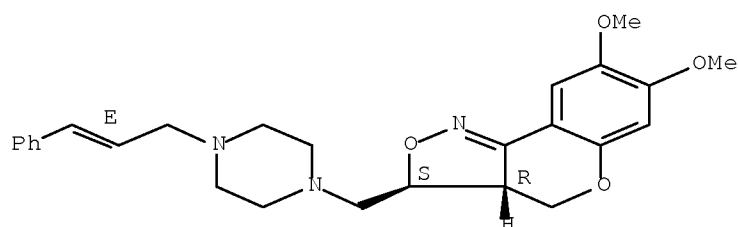
Relative stereochemistry.



RN 452313-54-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

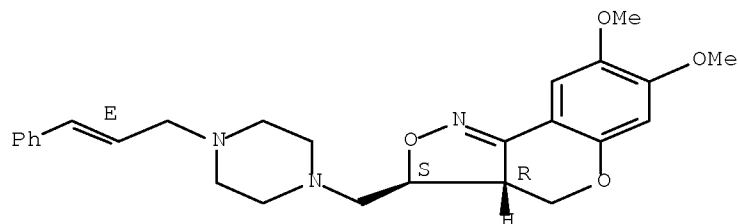
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-56-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

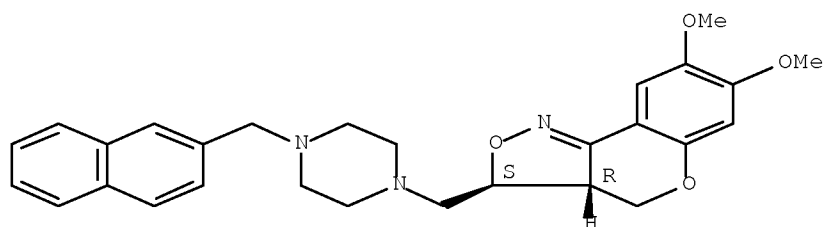
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-77-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

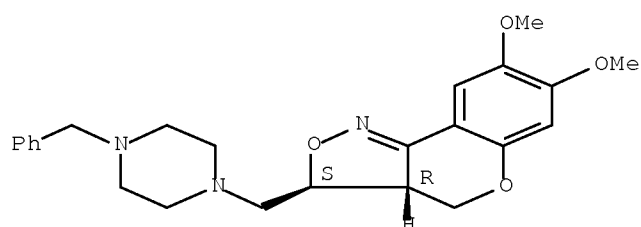
Relative stereochemistry.



RN 452314-18-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

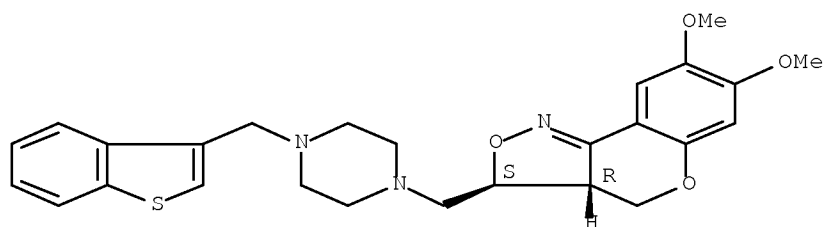
Relative stereochemistry.



RN 452316-09-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(benzo[b]thien-3-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

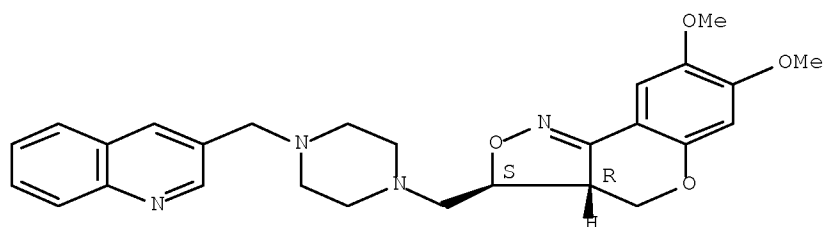
Relative stereochemistry.



RN 452316-15-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

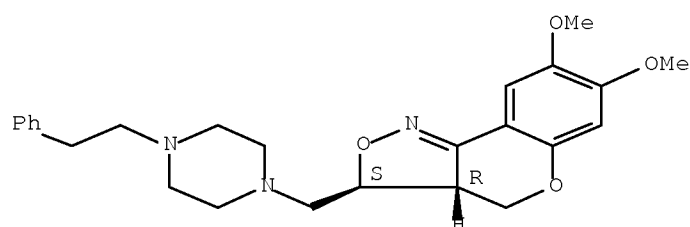
Relative stereochemistry.



RN 452316-21-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-phenylethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

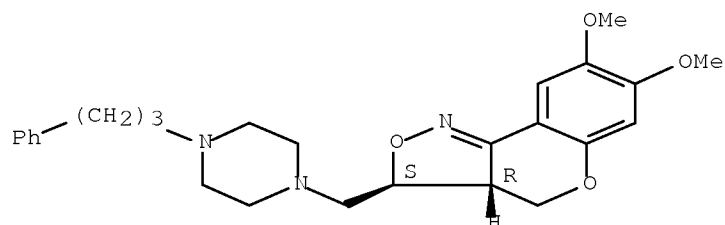
Relative stereochemistry.



RN 452316-33-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenylpropyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

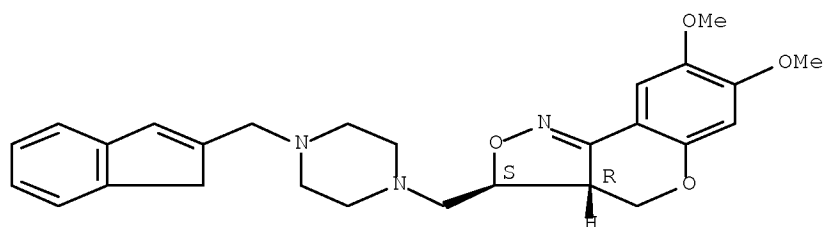
Relative stereochemistry.



RN 452316-36-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(1H-inden-2-ylmethyl)-1-piperazinyl]methyl]-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

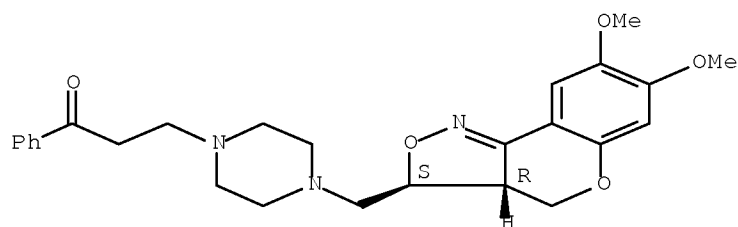
Relative stereochemistry.



RN 452316-66-4 CAPLUS

CN 1-Propanone, 3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.

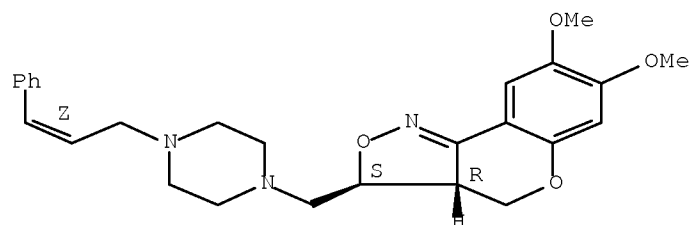


RN 452316-84-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2Z)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

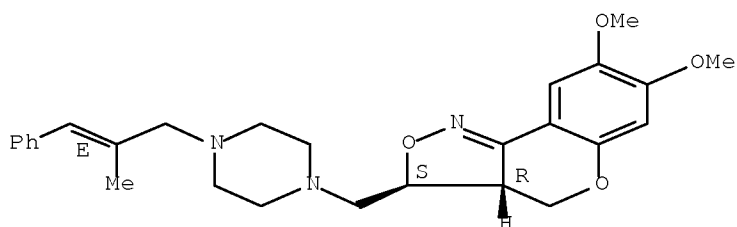


RN 452318-20-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

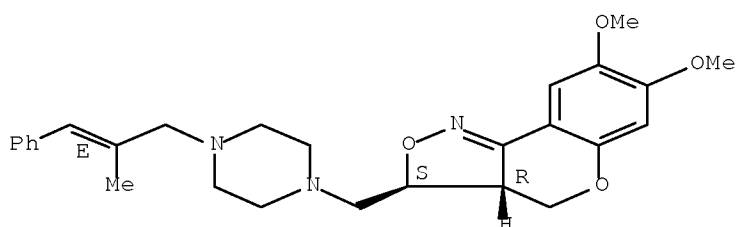
Double bond geometry as shown.



RN 452318-24-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)-(9CI) (CA INDEX NAME)

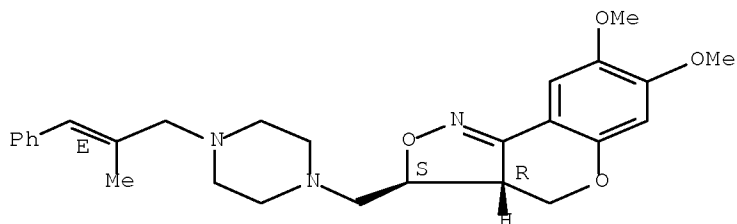
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-26-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

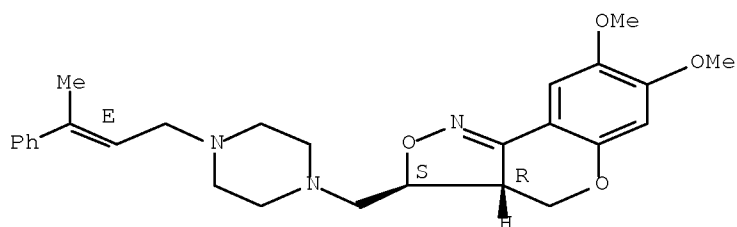
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-93-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

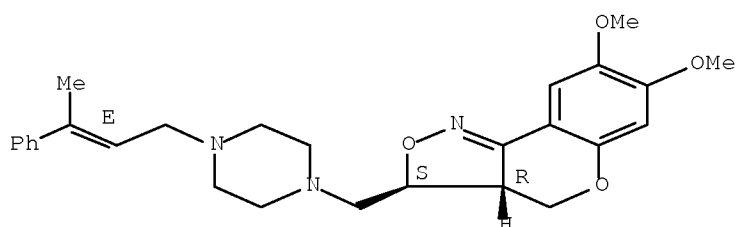
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-95-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

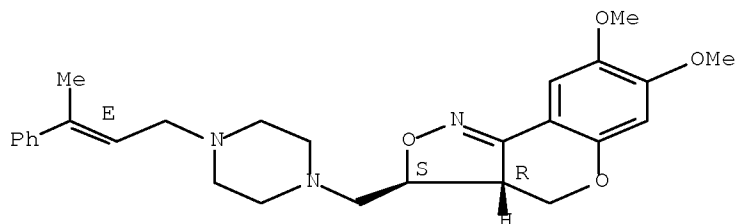
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-97-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

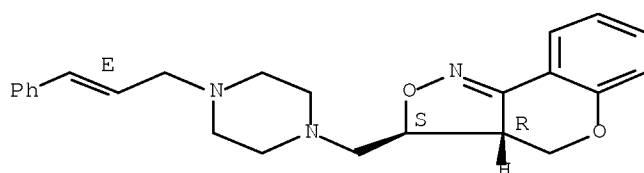
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452319-25-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

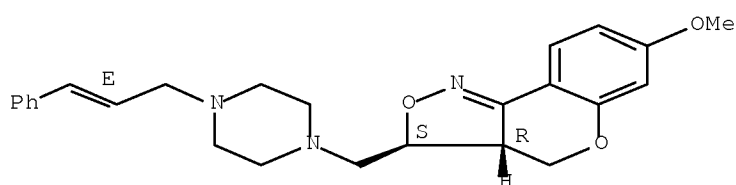
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-35-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

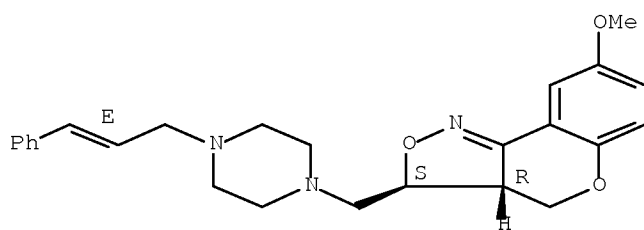
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-01-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

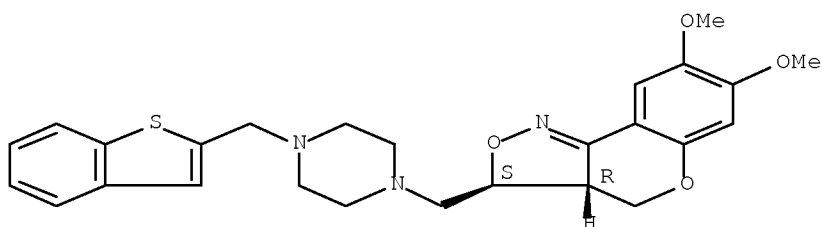
Relative stereochemistry.
Double bond geometry as shown.



RN 608146-10-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(benzo[b]thien-2-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

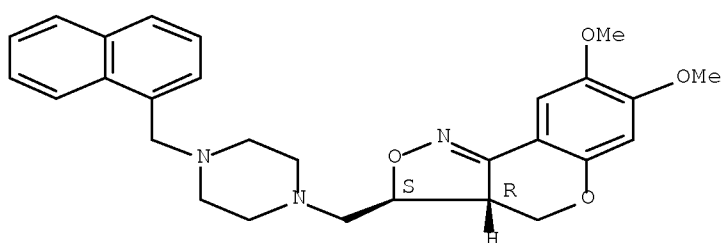
Relative stereochemistry.



RN 608146-11-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(1-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

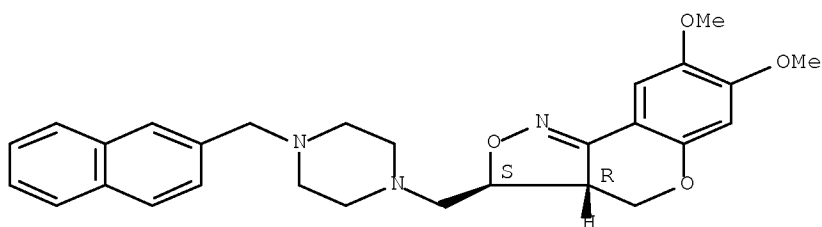
Relative stereochemistry.



RN 608146-12-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

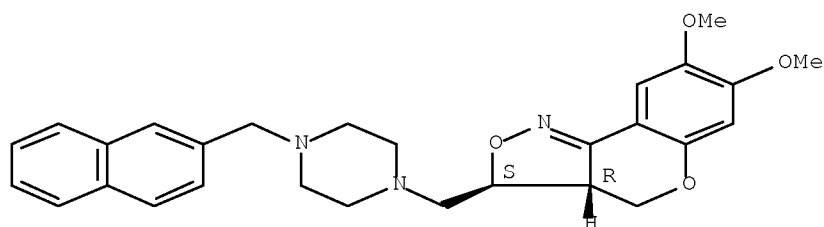
Rotation (-). Absolute stereochemistry unknown.



RN 608146-13-0 CAPLUS

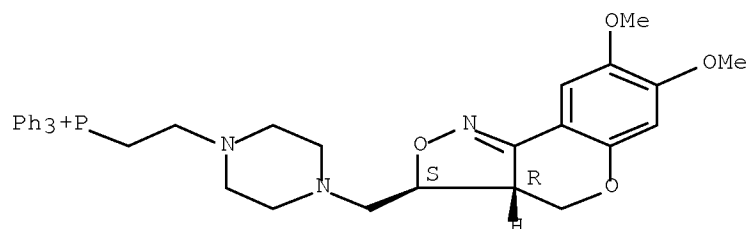
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.



IT 452321-89-0P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of dihydro[1]benzopyrano[4,3-c]isoxazoles and their activity
 as
 5-HT uptake inhibitors and α 2-adrenoceptor antagonists (potential
 antidepressants))
 RN 452321-89-0 CAPLUS
 CN Phosphonium, [2-[4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-
 [1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]ethyl]triphenyl-,
 bromide, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● Br⁻

REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:658130 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 137:201298

TITLE: Preparation of substituted isoxazolines as
 anti-depressants

INVENTOR(S): Andres-Gil, Jose Ignacio; Fernandez-Gadea,
 Francisco Javier; Alcazar-Vaca, Manuel Jesus
 ; Cid-Nunez, Jose Maria; Pastor-Fernandez, Joaquin;
 Megens, Antonius Adrianus Hendrikus Petrus;
 Heylen, Godelieve Irma Christine Maria; Langlois,
 Xavier Jean Michel; Bakker, Margaretha Henrica
 Maria; Steckler, Thomas Horst Wolfgang

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

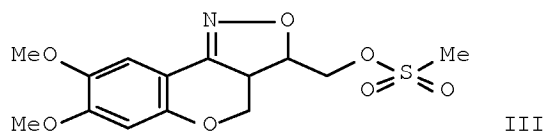
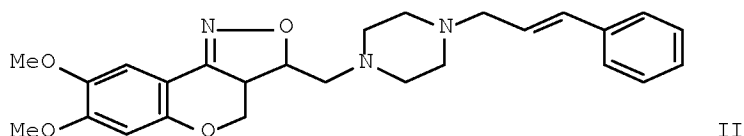
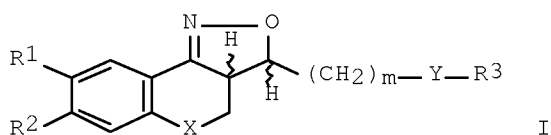
SOURCE: PCT Int. Appl., 100 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002066484	A1	20020829	WO 2002-EP1567	20020213
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2002244717	A1	20020904	AU 2002-244717	20020213
AU 2002244717	B2	20070719		
EP 1368358	A1	20031210	EP 2002-712909	20020213
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NZ 526741	A	20040430	NZ 2002-526741	20020213
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IN 2003DN00968	A	20070525	IN 2003-DN968	20030624
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MX 2003PA07432	A	20031118	MX 2003-PA7432	20030819
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US 7169786	B2	20070130		
PRIORITY APPLN. INFO.:			EP 2001-200611	A 20010221
			EP 2001-201264	A 20010405
			WO 2002-EP1567	W 20020213
OTHER SOURCE(S):			MARPAT 137:201298	
GI				



AB Title compds. I [wherein X = CH₂, NR₇, S or O; R₇ = H, (un)substituted alkyl, Ph, Ph alkyl, etc.; R₁ and R₂ independently = H, OH, CN, halo, OSO₂H, (un)substituted Ph, phenylalkyl, alkoxy, etc.; or R₁ and R₂ may be taken together to form a bivalent radical selected from -CH₂CH₂O-, -OCH₂CH₂-, -OCH₂O-, -CH₂OCH₂- and -OCH₂CH₂O-; m = 1-4; Y = (un)substituted piperidyl or piperazyl radical and R₃ represents an (un)substituted aromatic homocyclic or heterocyclic ring system including a partially or completely hydrogenated hydrocarbon chain of maximum 6 atoms long with which the ring system is attached to the Y radical and which may contain one or more heteroatoms selected from the group of O, N and S], a process for their preparation, pharmaceutical compns. comprising them and their use as a medicine for treating anxiety disorders and disorders of body weight are disclosed. Thus, II was prepared in 60% yield by reaction of III with N-(3-phenyl-2-propenyl)-piperazine. III was prepared by substitution of Me 4-bromo-2-butenate with 2-hydroxy-4,5-dimethoxybenzaldehyde with subsequent condensation with hydroxylamine, cyclization, reduction and sulfonation with methanesulfonyl chloride. The compds. according to the invention have surprisingly been shown to have a serotonin (5-HT) reuptake inhibitor activity in combination with addnl. α₂-adrenoceptor antagonist activity and show a strong anti-depressant activity without being sedative. I produced an inhibition at the hα₂A site (but often also at the hα₂B and hα₂C sites) and simultaneously at the 5-HT transporter site of more than 50% (pIC₅₀) at a test concentration ranging between 10⁻⁶ M and 10⁻⁹ M in a concentration dependent manner. The invention also relates to novel combination of substituted isoxazolines derivs. having anti-depressant activity and/or anxiolytic activity and/or body weight control activity with antidepressants, anxiolytics and/or antipsychotics to improve efficacy and/or onset of action.

IT 452321-87-8F 452321-89-0F

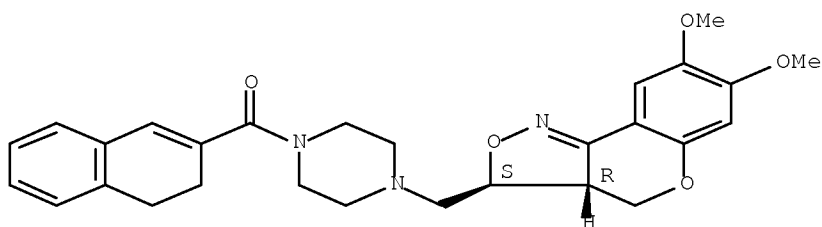
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation and pharmaceutical activity of substituted isoxazolines as anti-depressants)

RN 452321-87-8 CAPLUS

CN Piperazine, 1-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-4-[(3,4-dihydro-2-naphthalenyl)carbonyl]-, rel-(9CI) (CA INDEX NAME)

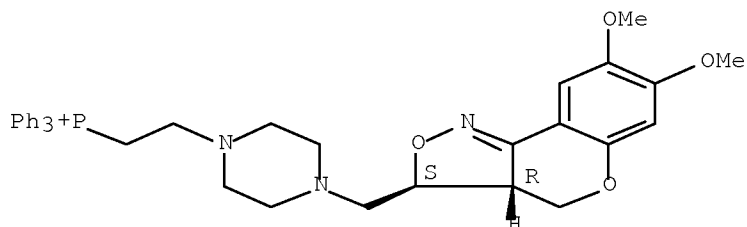
Relative stereochemistry.



RN 452321-89-0 CAPLUS

CN Phosphonium, [2-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]ethyl]triphenyl-, bromide, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 452323-46-5D, resin bound

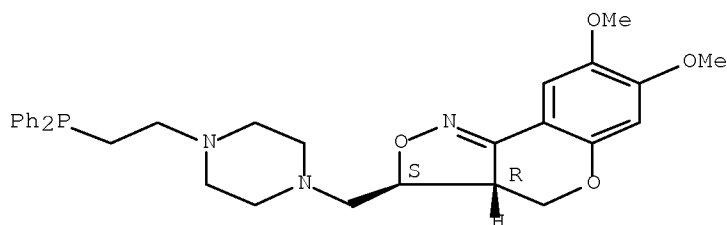
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation and pharmaceutical activity of substituted isoxazolines as anti-depressants)

RN 452323-46-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(diphenylphosphino)ethyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



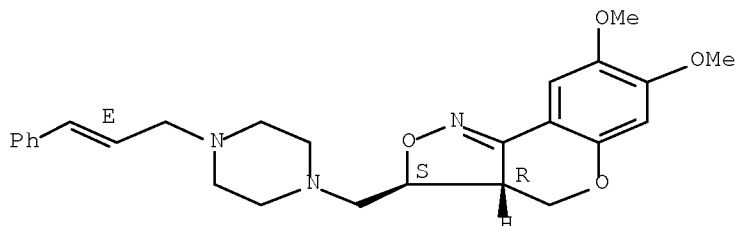
IT 452313-32-5P 452313-68-7P 452313-71-2P
452313-80-3P 452313-82-5P 452316-78-8P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compound; preparation and pharmaceutical activity of substituted isoxazoles as anti-depressants)

RN 452313-32-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.

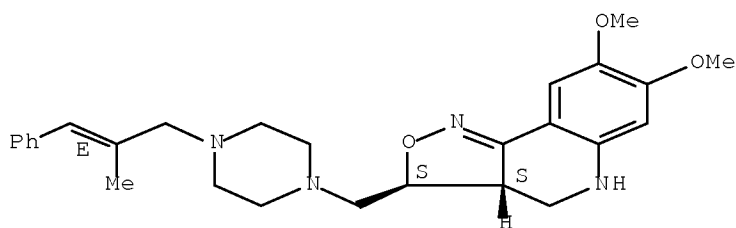


● 2 HCl

RN 452313-68-7 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aR)-rel-(+)- (CA INDEX NAME)

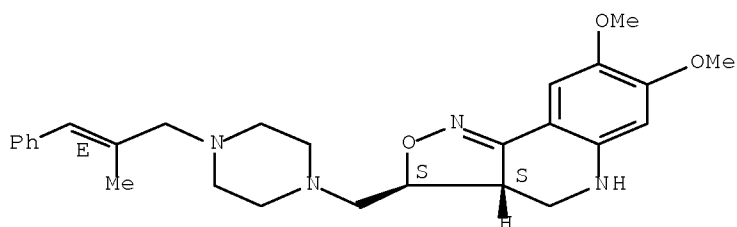
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-71-2 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3S,3aS)-rel-(-)- (CA INDEX NAME)

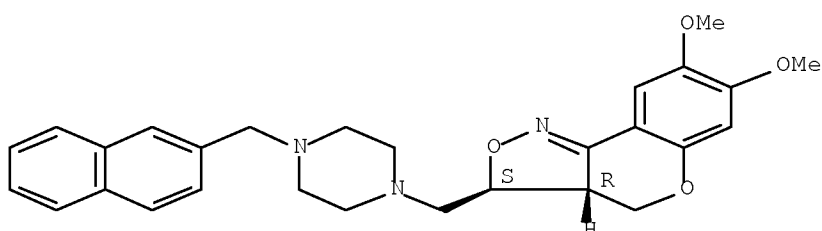
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-80-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

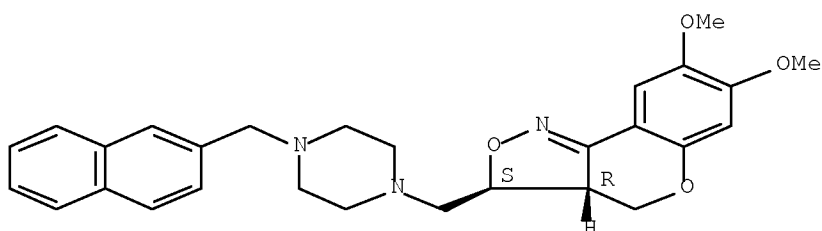


● 2 HCl

RN 452313-82-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

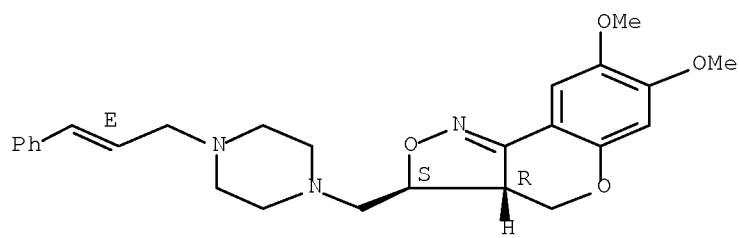


● 2 HCl

RN 452316-78-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

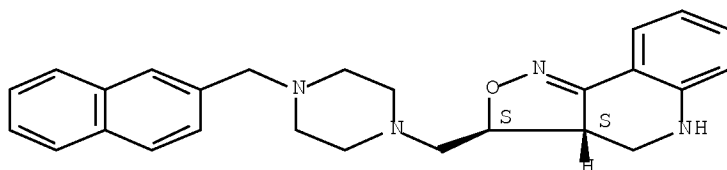
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



●2 HCl

IT 452313-59-6P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (target compound; preparation and pharmaceutical activity of substituted isoxazoles as anti-depressants)
 RN 452313-59-6 CAPLUS
 CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.



IT 452313-36-9P 452313-40-5P 452313-43-8P
 452313-46-1P 452313-50-7P 452313-54-1P
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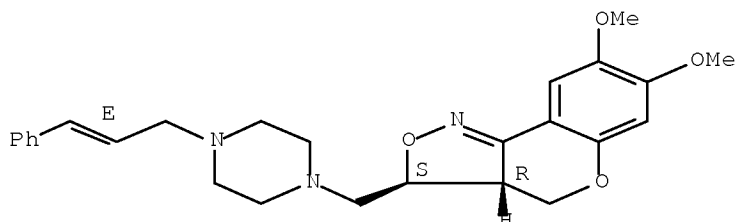
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

(target compound; preparation and pharmaceutical activity of substituted
 isoxazolines as anti-depressants)

RN 452313-36-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

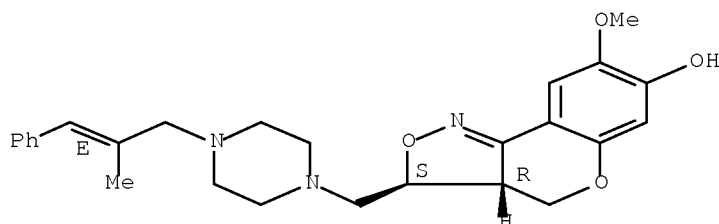
Relative stereochemistry.
Double bond geometry as shown.



RN 452313-40-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

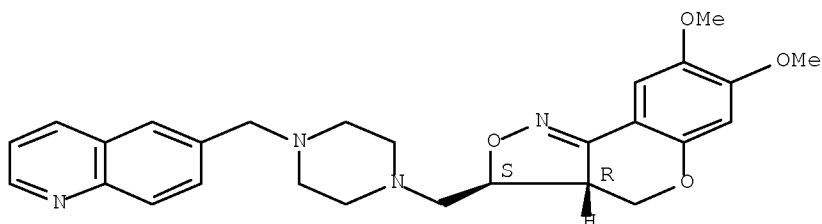
Relative stereochemistry.
Double bond geometry as shown.



RN 452313-43-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(6-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

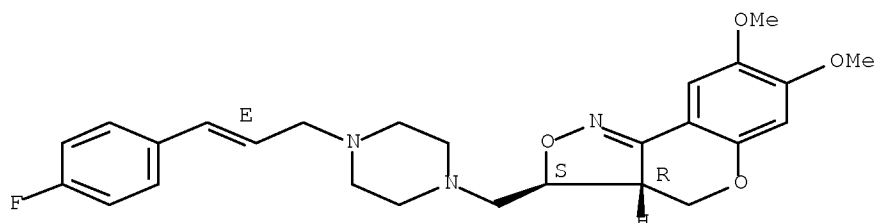
Relative stereochemistry.



RN 452313-46-1 CAPLUS

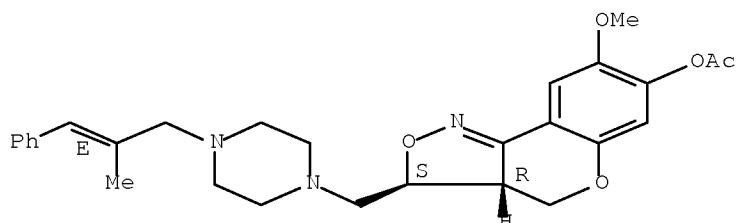
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3S,3aR)-rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



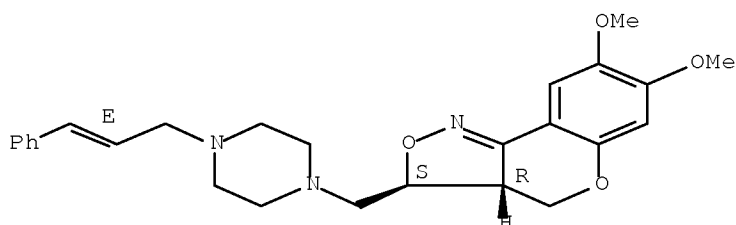
RN 452313-50-7 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



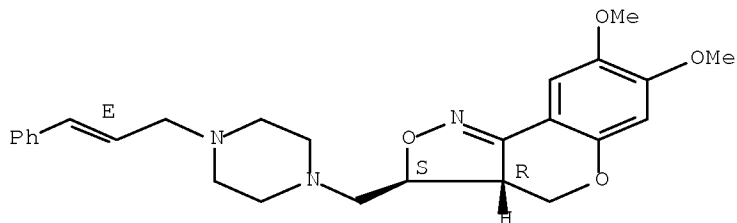
RN 452313-54-1 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-56-3 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

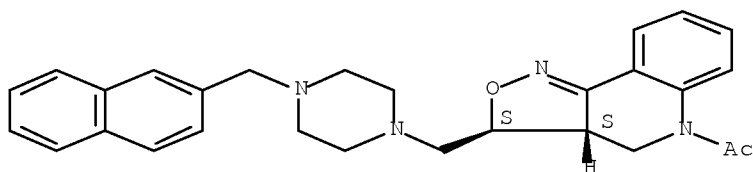
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452313-61-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 5-acetyl-3,3a,4,5-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

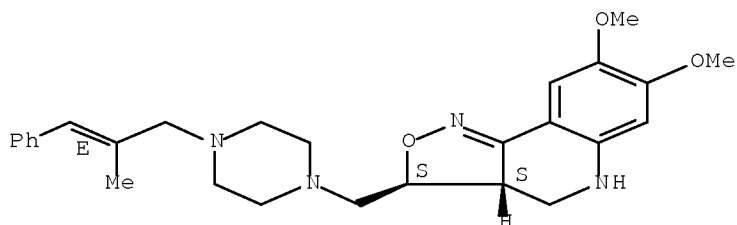
Relative stereochemistry.



RN 452313-65-4 CAPLUS

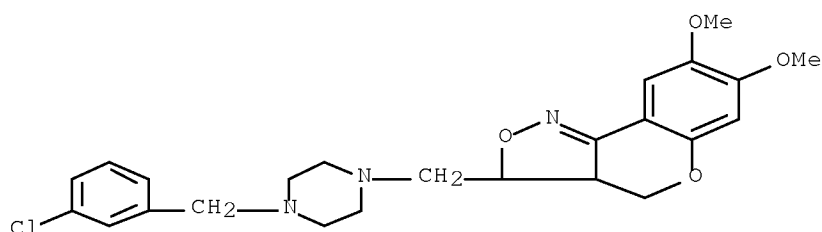
CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propen-1-yl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452313-74-5 CAPLUS

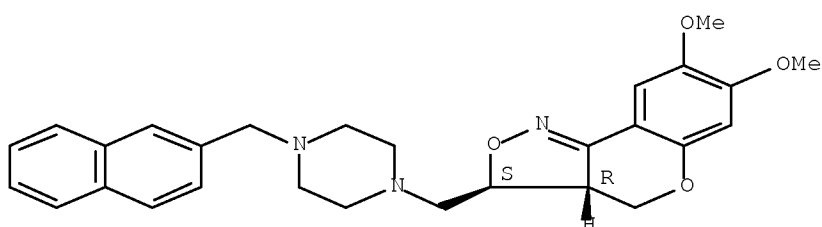
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3-chlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452313-77-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

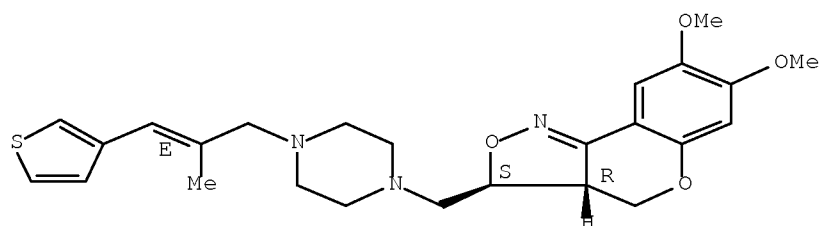


RN 452313-85-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(3-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

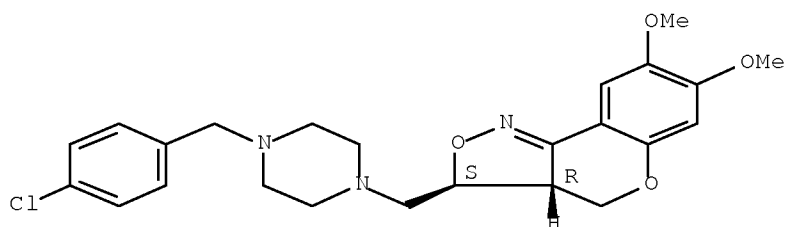
Double bond geometry as shown.



RN 452313-88-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-chlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

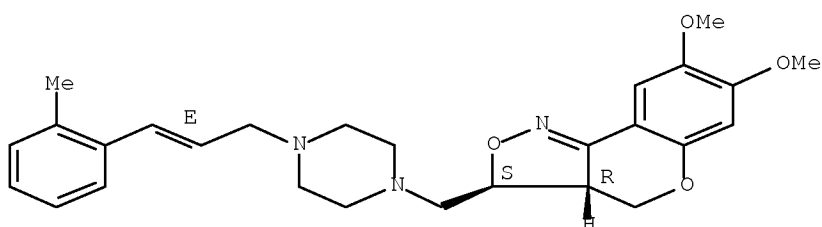
Relative stereochemistry.



RN 452313-91-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methylphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

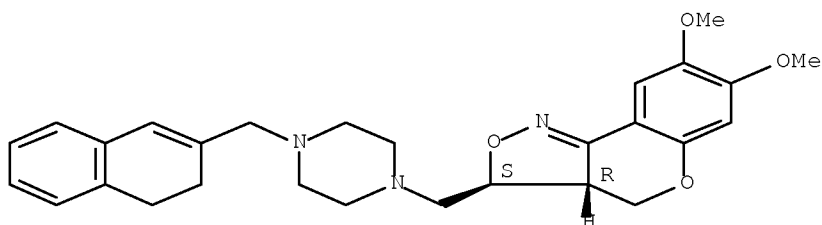
Relative stereochemistry.
Double bond geometry as shown.



RN 452313-93-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3,4-dihydro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

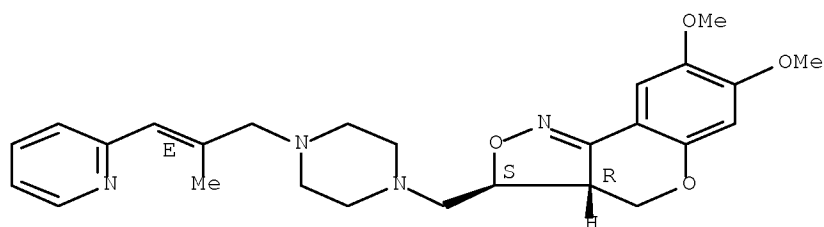
Relative stereochemistry.



RN 452313-98-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(2-pyridinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

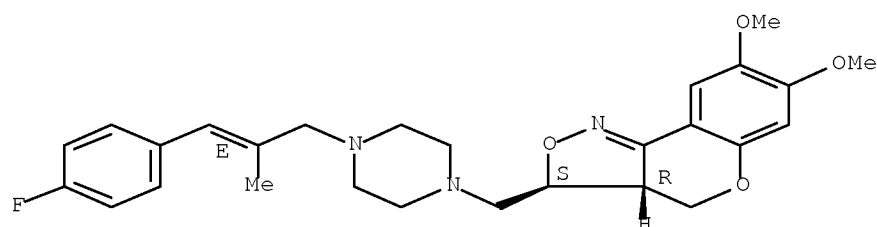
Relative stereochemistry.
Double bond geometry as shown.



RN 452314-01-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(+)- (CA INDEX NAME)

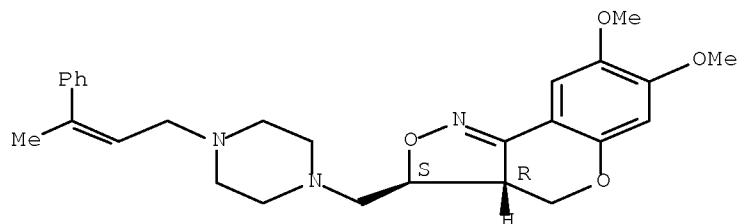
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452314-05-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenyl-2-butenyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

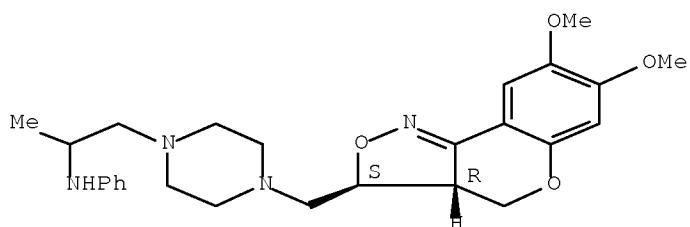
Relative stereochemistry.
Double bond geometry unknown.



RN 452314-08-8 CAPLUS

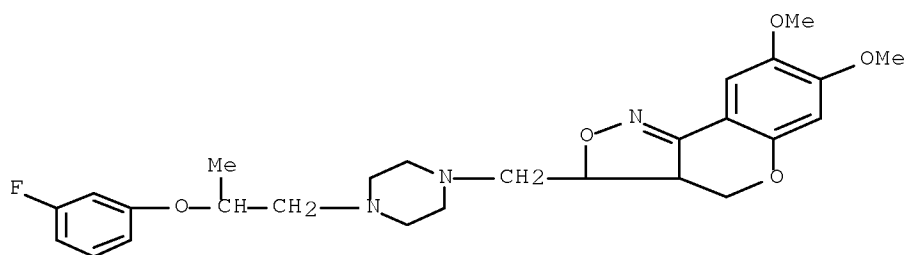
CN 1-Piperazineethanamine, 4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-alpha-methyl-N-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 452314-11-3 CAPLUS

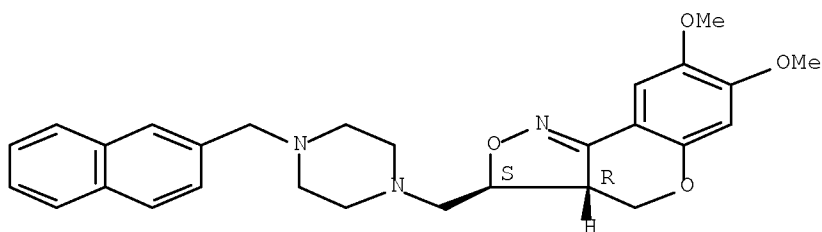
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(3-fluorophenoxy)propyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452314-14-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

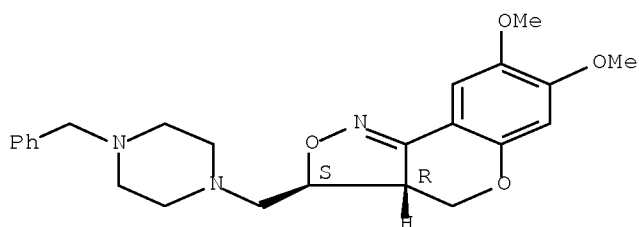


● 2 HCl

RN 452314-18-0 CAPLUS

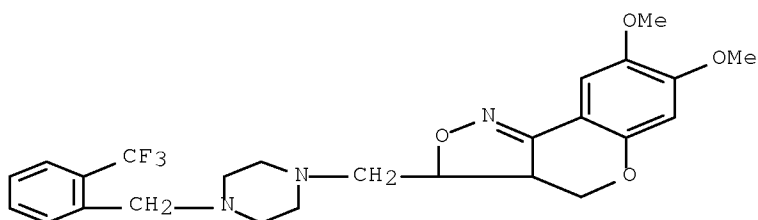
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



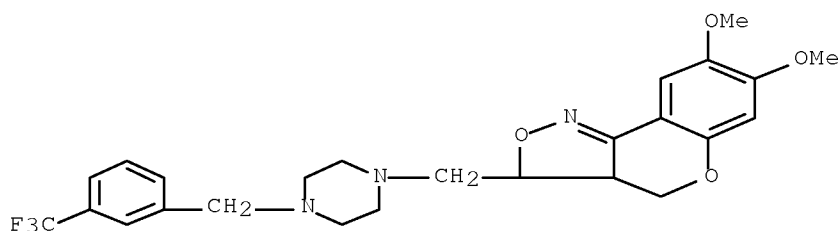
RN 452314-20-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[[2-(trifluoromethyl)phenyl]methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



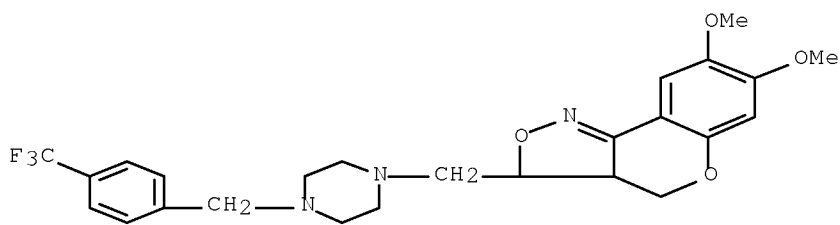
RN 452314-23-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[[3-(trifluoromethyl)phenyl]methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



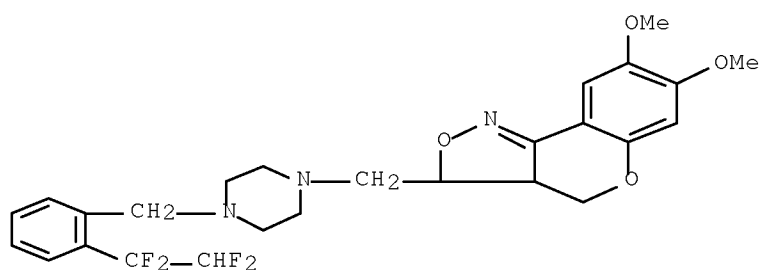
RN 452314-26-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[[4-(trifluoromethyl)phenyl]methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



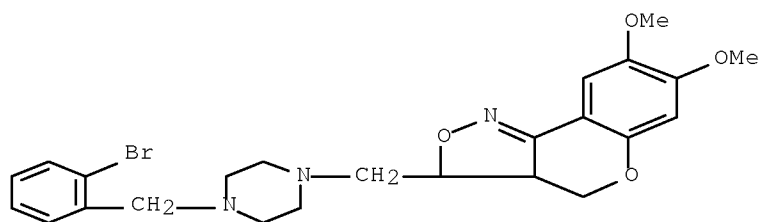
RN 452314-29-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[[2-(1,1,2,2-tetrafluoroethyl)phenyl]methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



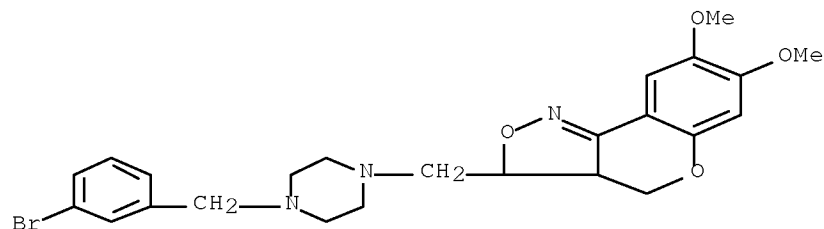
RN 452314-31-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2-bromophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



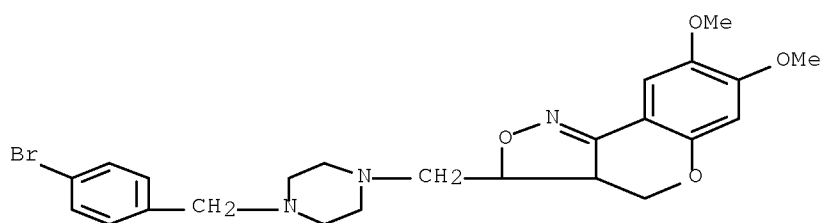
RN 452314-34-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3-bromophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452314-37-3 CAPLUS

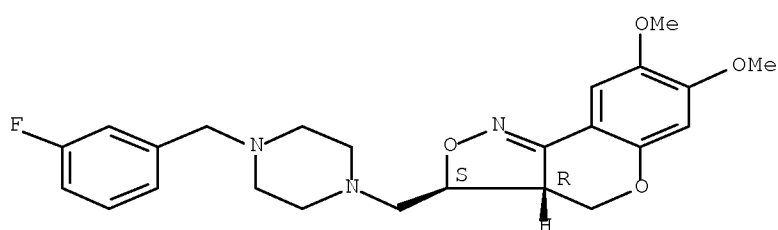
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-bromophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452314-40-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3-fluorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

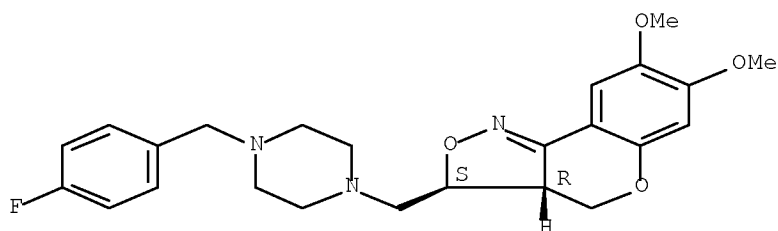
Relative stereochemistry.



RN 452314-43-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-fluorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

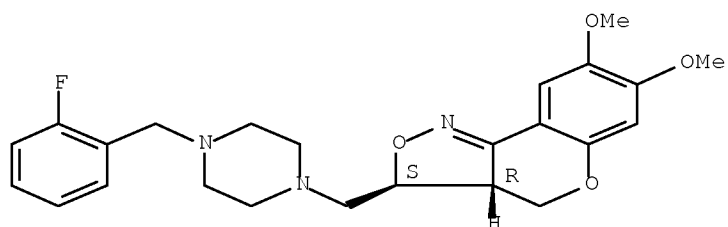


● 2 HCl

RN 452314-46-4 CAPLUS

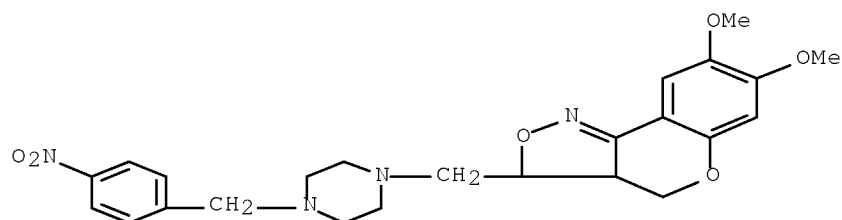
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2-fluorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



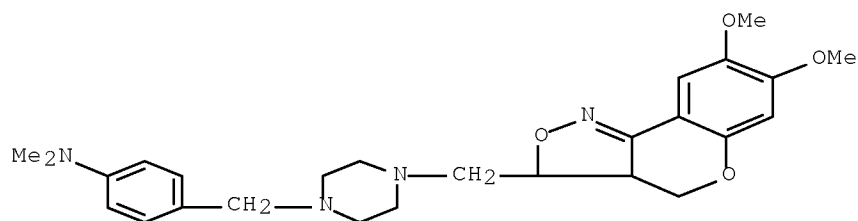
RN 452314-49-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(4-nitrophenyl)methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



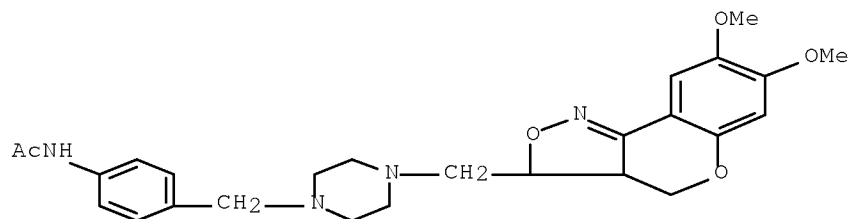
RN 452314-52-2 CAPLUS

CN Benzenamine, 4-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]methyl]-N,N-dimethyl- (CA INDEX NAME)



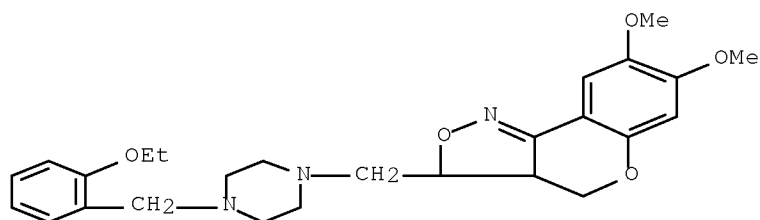
RN 452314-55-5 CAPLUS

CN Acetamide, N-[4-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]methyl]phenyl]- (CA INDEX NAME)



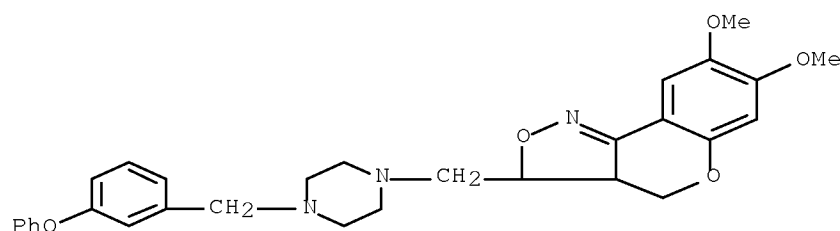
RN 452314-57-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2-ethoxyphenyl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



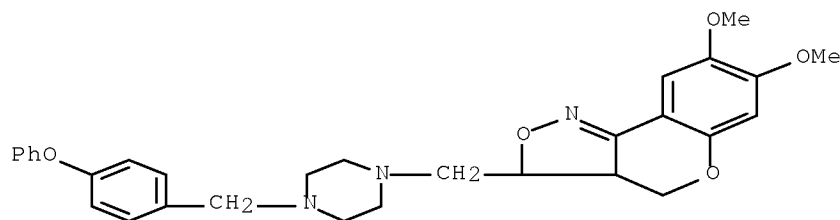
RN 452314-60-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(3-phenoxyphenyl)methyl]-1-piperazinyl)methyl]- (CA INDEX NAME)



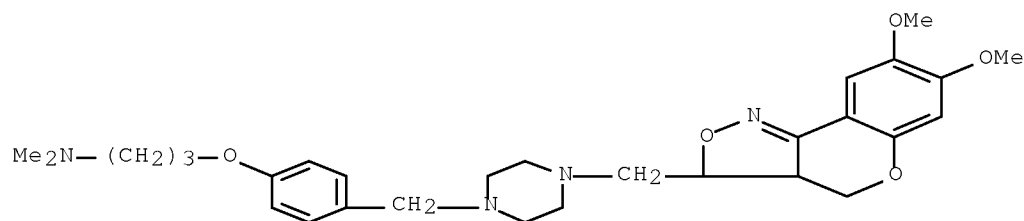
RN 452314-62-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(4-phenoxyphenyl)methyl]-1-piperazinyl)methyl]- (CA INDEX NAME)



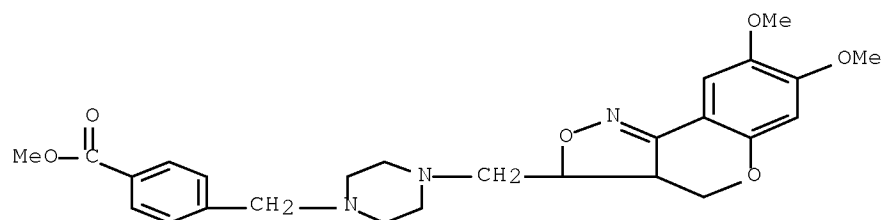
RN 452314-65-7 CAPLUS

CN 1-Propanamine, 3-[4-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl)methyl]phenoxy]-N,N-dimethyl- (CA INDEX NAME)



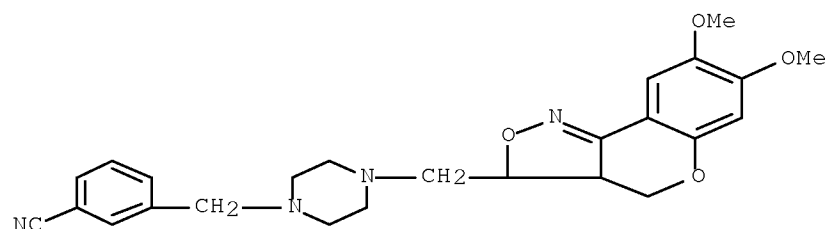
RN 452314-68-0 CAPLUS

CN Benzoic acid, 4-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]methyl]-, methyl ester (CA INDEX NAME)



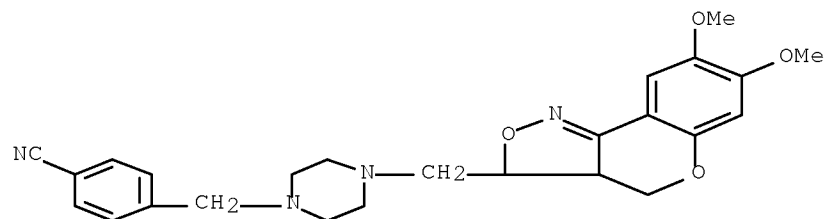
RN 452314-71-5 CAPLUS

CN Benzonitrile, 3-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 452314-74-8 CAPLUS

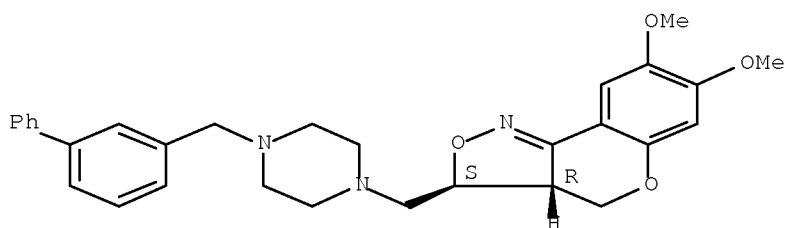
CN Benzonitrile, 4-[[4-[(3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 452314-77-1 CAPLUS

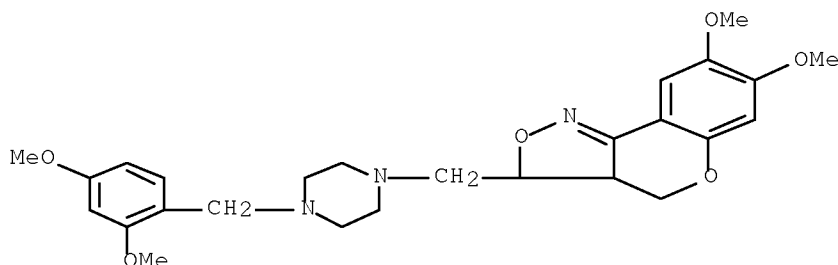
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-([1,1'-biphenyl]-3-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



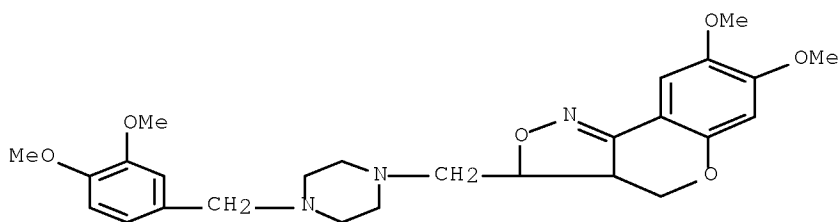
RN 452314-80-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2,4-dimethoxyphenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452314-83-9 CAPLUS

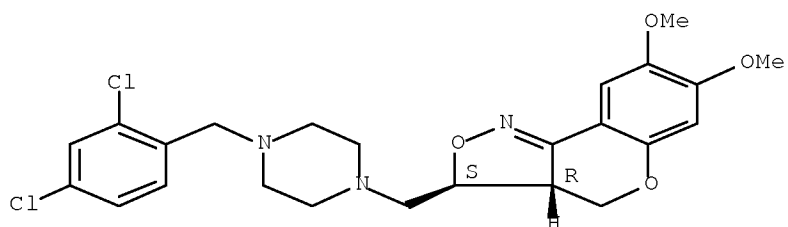
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3,4-dimethoxyphenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (CA INDEX NAME)



RN 452314-86-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2,4-dichlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

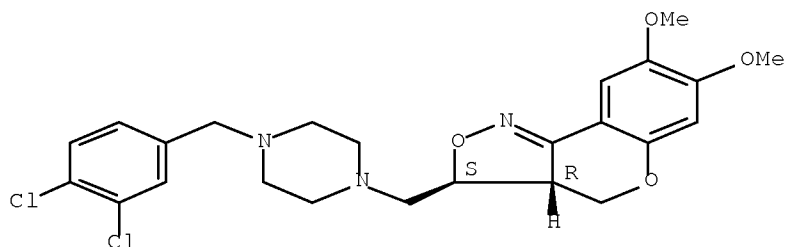
Relative stereochemistry.



RN 452314-89-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(3,4-dichlorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

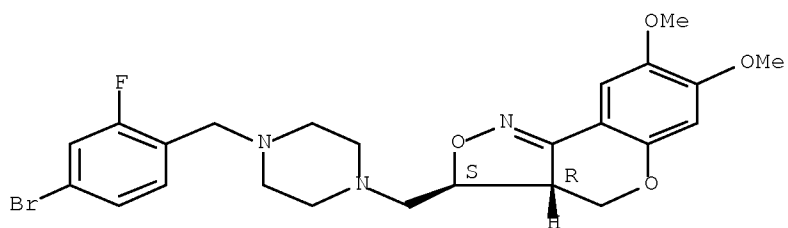
Relative stereochemistry.



RN 452314-92-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-bromo-2-fluorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

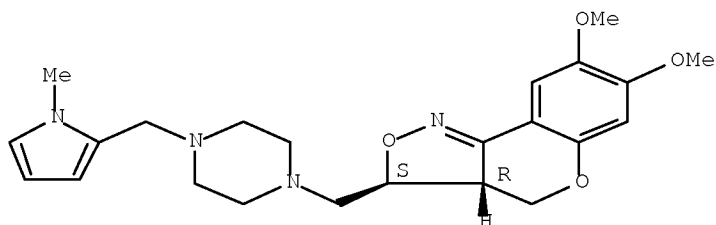
Relative stereochemistry.



RN 452314-95-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(1-methyl-1H-pyrrol-2-yl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

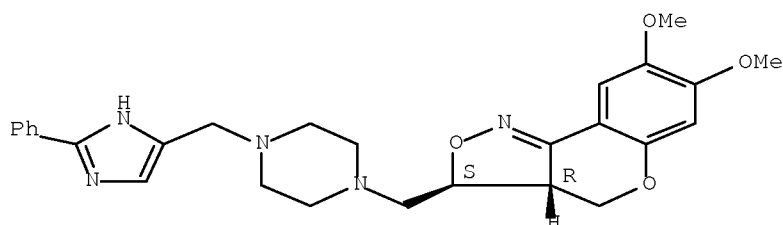
Relative stereochemistry.



RN 452314-98-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2-phenyl-1H-imidazol-4-yl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

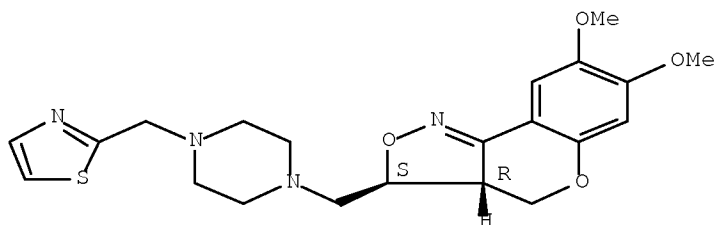
Relative stereochemistry.



RN 452315-01-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-thiazolylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

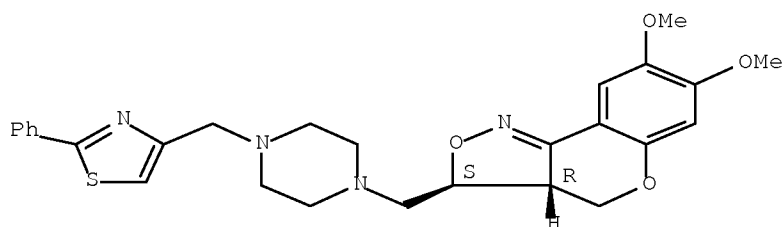
Relative stereochemistry.



RN 452315-04-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2-phenyl-4-thiazolyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

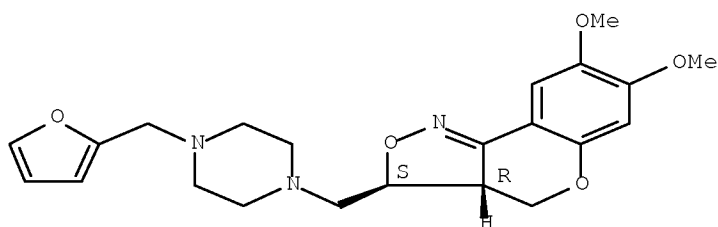
Relative stereochemistry.



RN 452315-07-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2-furanylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

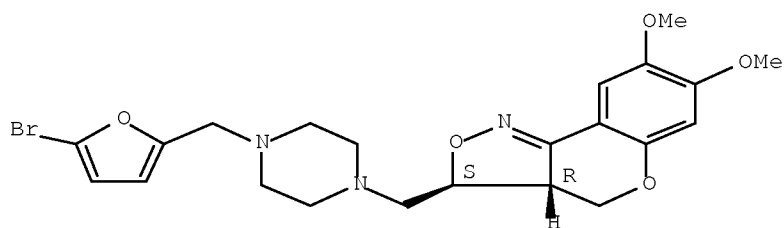
Relative stereochemistry.



RN 452315-10-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5-bromo-2-furanyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

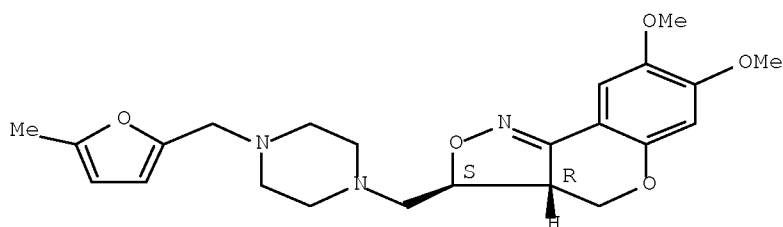
Relative stereochemistry.



RN 452315-13-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(5-methyl-2-furanyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

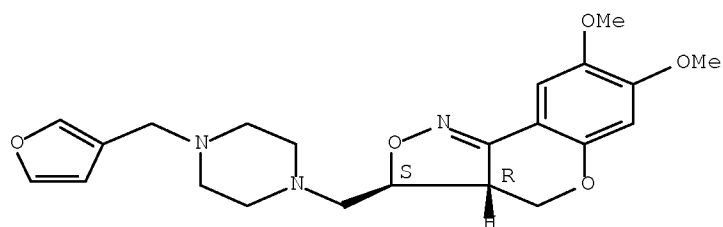
Relative stereochemistry.



RN 452315-16-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(3-furanylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

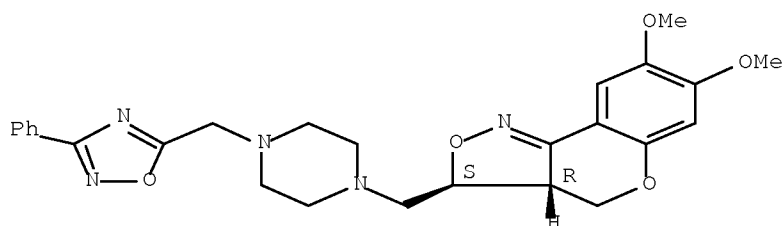
Relative stereochemistry.



RN 452315-19-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenyl-1,2,4-oxadiazol-5-yl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

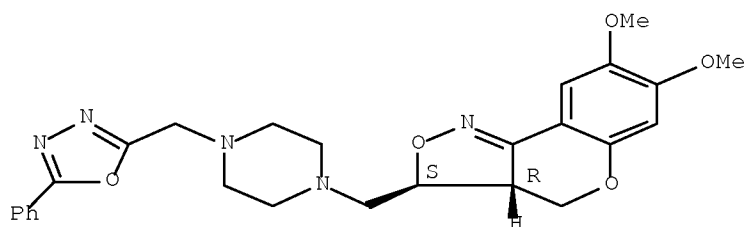
Relative stereochemistry.



RN 452315-22-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(5-phenyl-1,3,4-oxadiazol-2-yl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

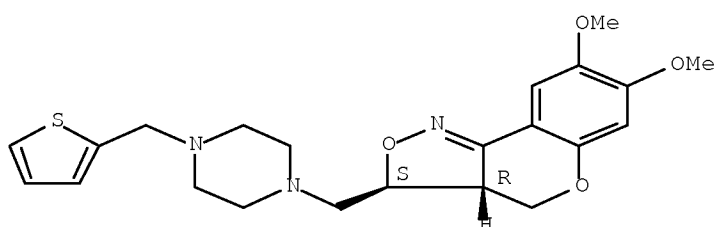
Relative stereochemistry.



RN 452315-24-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-thienylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

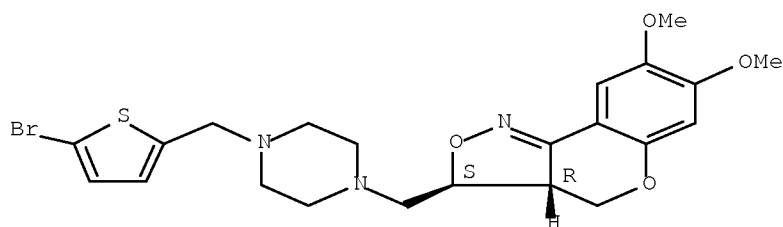
Relative stereochemistry.



RN 452315-27-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5-bromo-2-thienyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

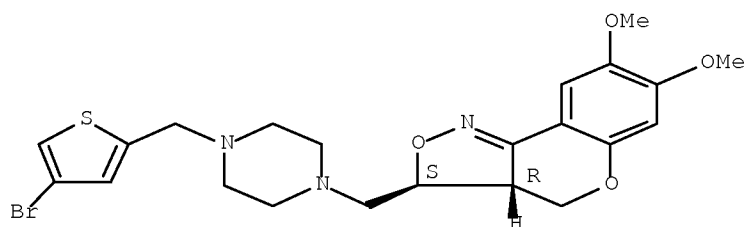
Relative stereochemistry.



RN 452315-30-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-bromo-2-thienyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

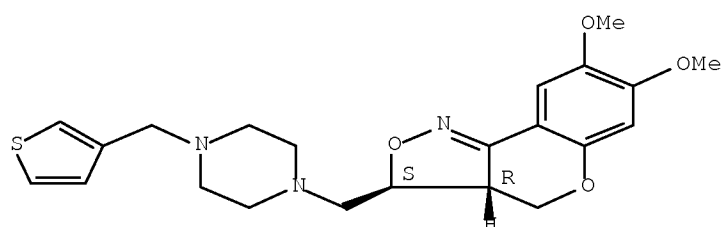
Relative stereochemistry.



RN 452315-33-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-thienylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

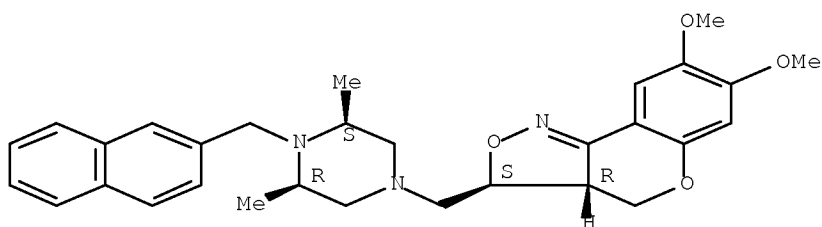
Relative stereochemistry.



RN 452315-36-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(3R,5S)-3,5-dimethyl-4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

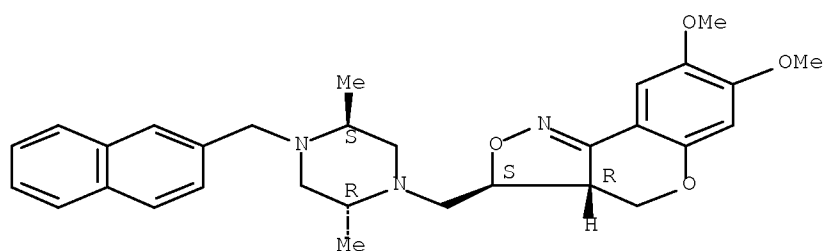
Relative stereochemistry.



RN 452315-38-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2R,5S)-2,5-dimethyl-4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3S,3aR)-rel- (9CI) (CA INDEX NAME)

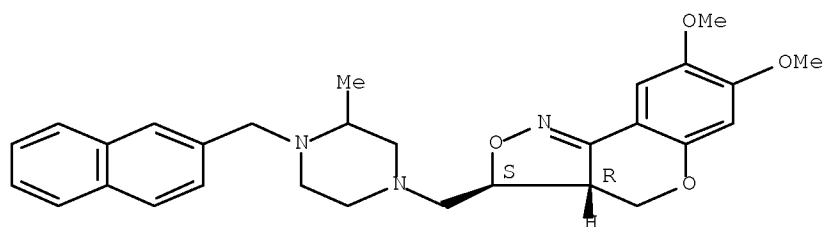
Relative stereochemistry.



RN 452315-40-1 CAPLUS

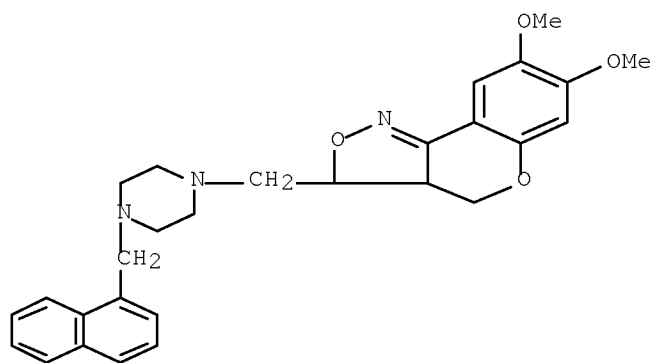
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[3-methyl-4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 452315-42-3 CAPLUS

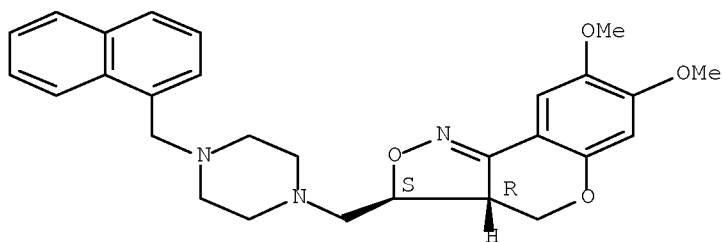
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(1-naphthalenylmethyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 452315-44-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(1-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

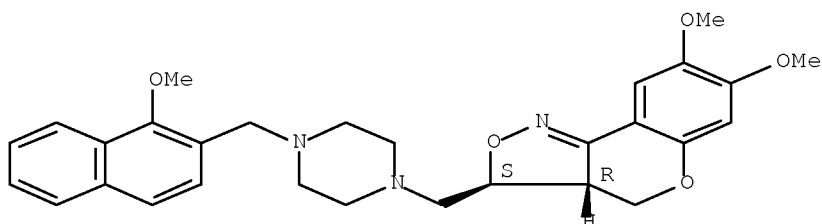


● 2 HCl

RN 452315-46-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(1-methoxy-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

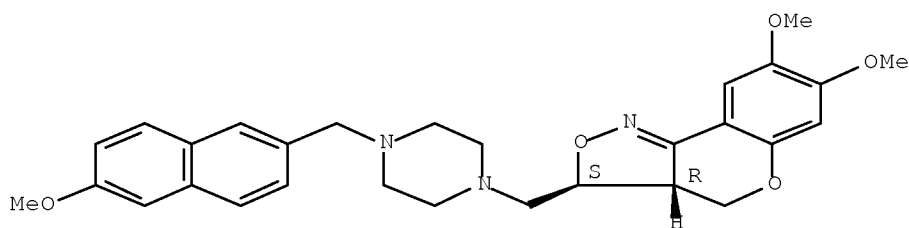
Relative stereochemistry.



RN 452315-48-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(6-methoxy-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

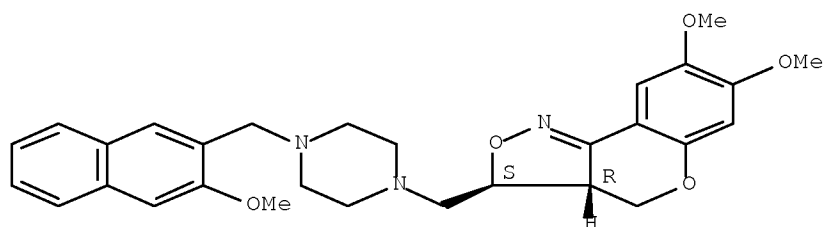
Relative stereochemistry.



RN 452315-51-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(3-methoxy-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

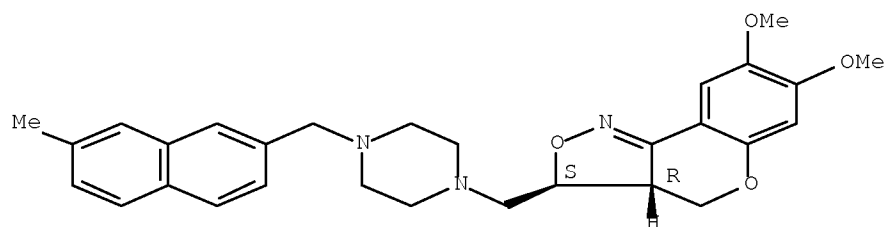
Relative stereochemistry.



RN 452315-52-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(7-methyl-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

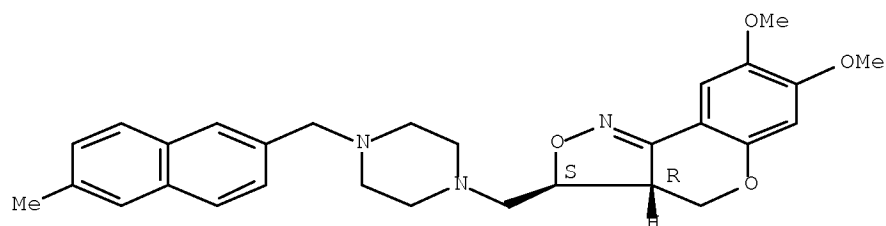
Relative stereochemistry.



RN 452315-55-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(6-methyl-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

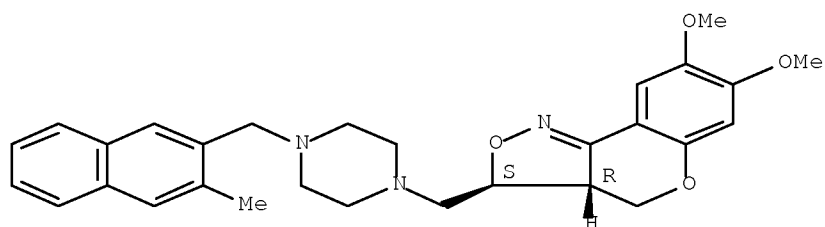
Relative stereochemistry.



RN 452315-58-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(3-methyl-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

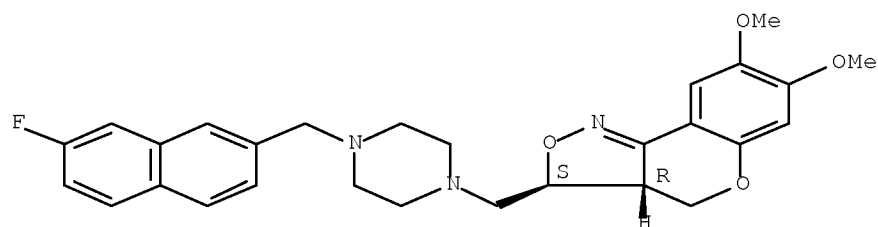
Relative stereochemistry.



RN 452315-61-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(7-fluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

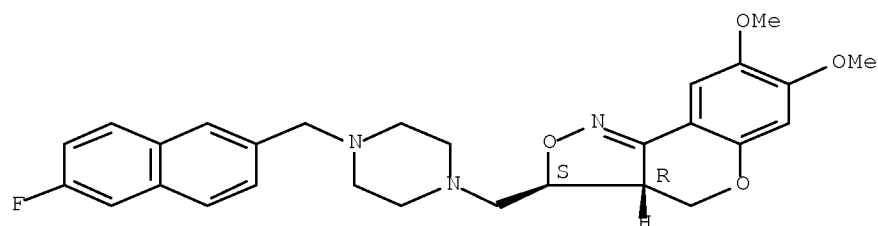
Relative stereochemistry.



RN 452315-63-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(6-fluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

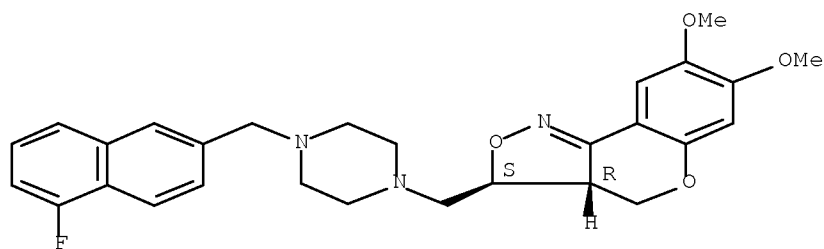
Relative stereochemistry.



RN 452315-66-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5-fluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

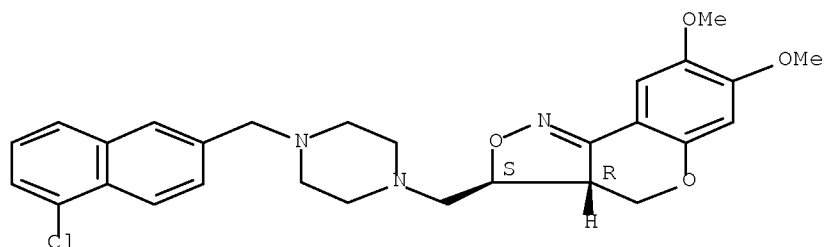
Relative stereochemistry.



RN 452315-70-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5-chloro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

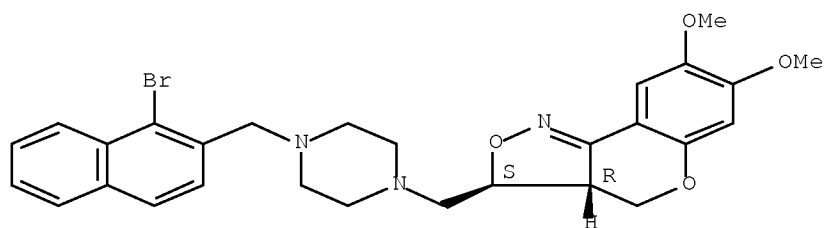
Relative stereochemistry.



RN 452315-73-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(1-bromo-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

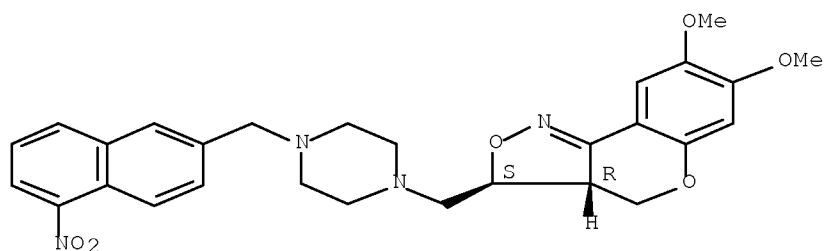
Relative stereochemistry.



RN 452315-76-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(5-nitro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

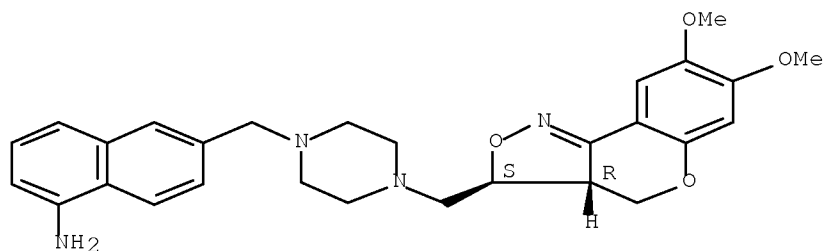
Relative stereochemistry.



RN 452315-79-6 CAPLUS

CN 1-Naphthalenamine, 6-[[4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl)methyl]-, rel- (CA INDEX NAME)

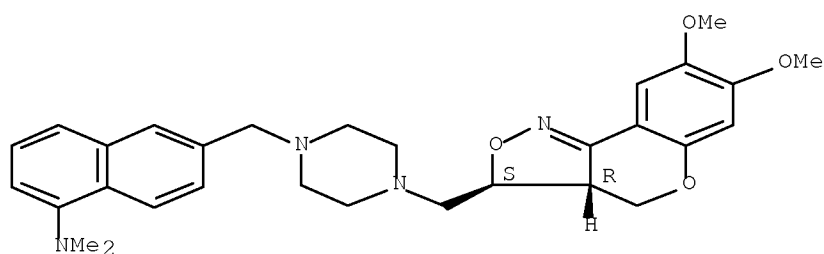
Relative stereochemistry.



RN 452315-82-1 CAPLUS

CN 1-Naphthalenamine, 6-[[4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl)methyl]-N,N-dimethyl-, rel- (CA INDEX NAME)

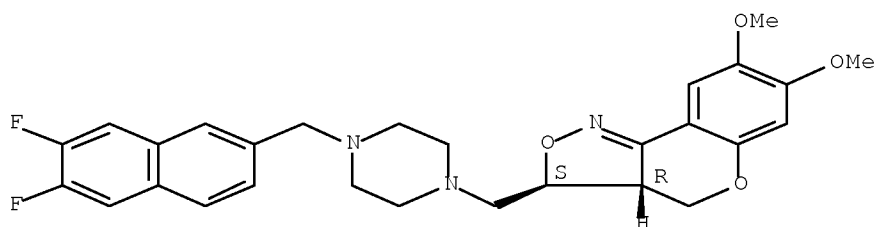
Relative stereochemistry.



RN 452315-85-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(6,7-difluoro-2-naphthalenyl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

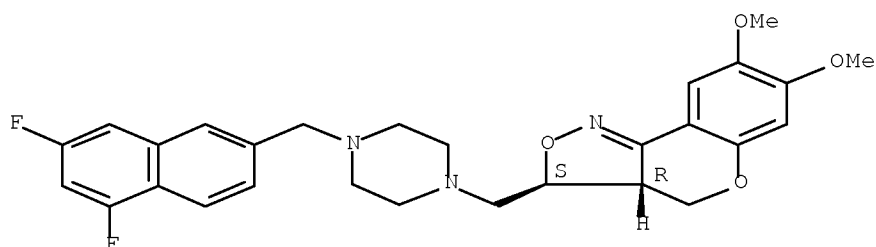
Relative stereochemistry.



RN 452315-87-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5,7-difluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

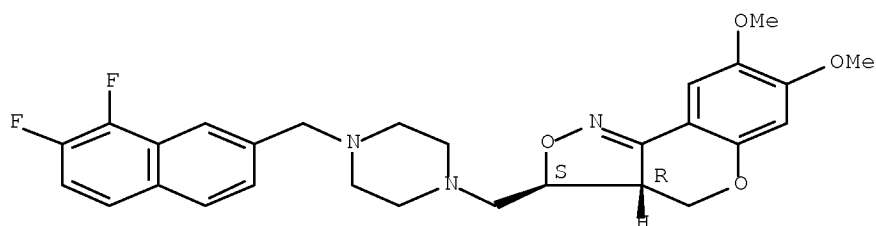
Relative stereochemistry.



RN 452315-90-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(7,8-difluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

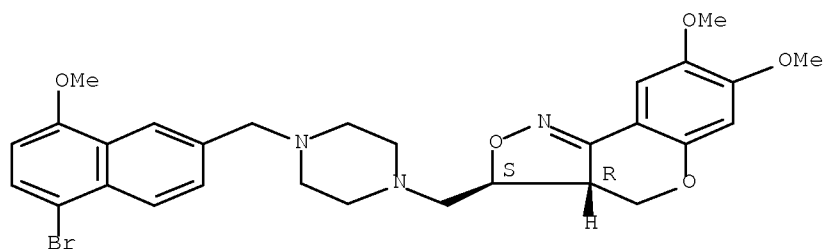
Relative stereochemistry.



RN 452315-92-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(5-bromo-8-methoxy-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

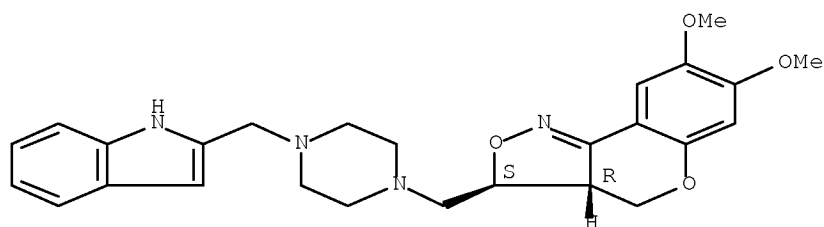
Relative stereochemistry.



RN 452315-94-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(1H-indol-2-ylmethyl)-1-piperazinyl]methyl]-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

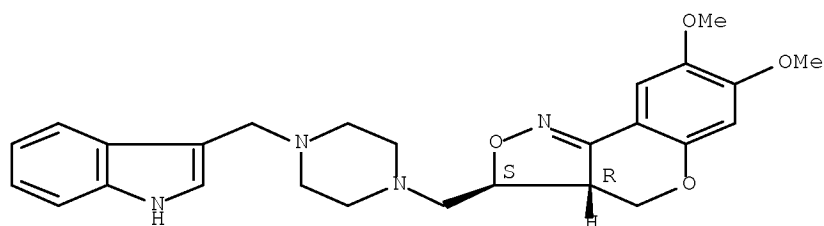
Relative stereochemistry.



RN 452315-97-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(1H-indol-3-ylmethyl)-1-piperazinyl]methyl]-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

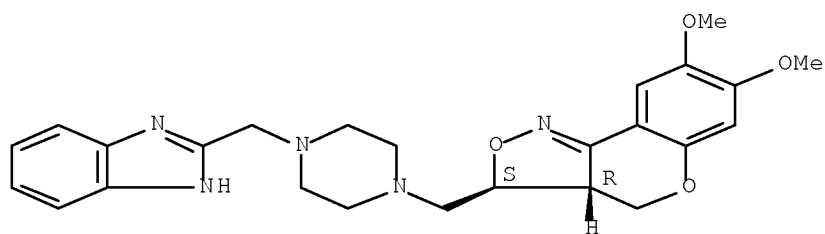
Relative stereochemistry.



RN 452316-00-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(1H-benzimidazol-2-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

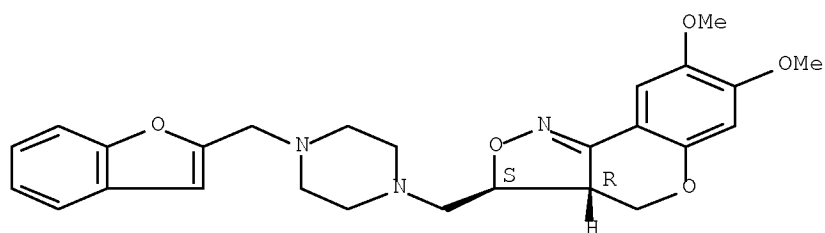


● 2 HCl

RN 452316-03-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2-benzofuranylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

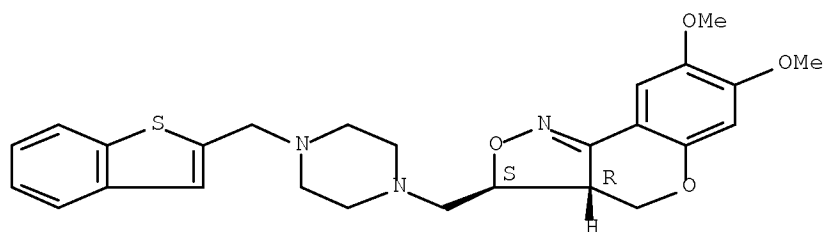


● 2 HCl

RN 452316-06-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(benzo[b]thien-2-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

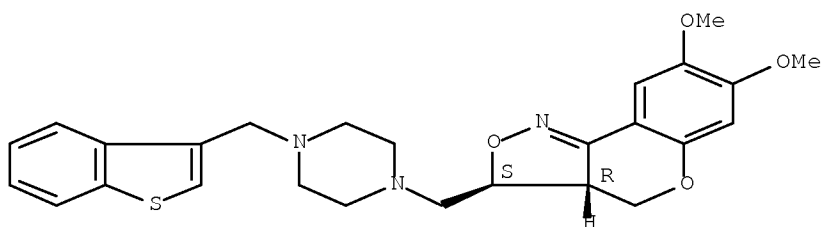


● 2 HCl

RN 452316-09-5 CAPLUS

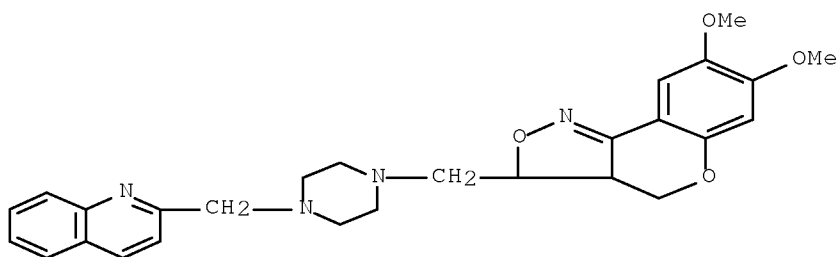
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(benzo[b]thien-3-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 452316-12-0 CAPLUS

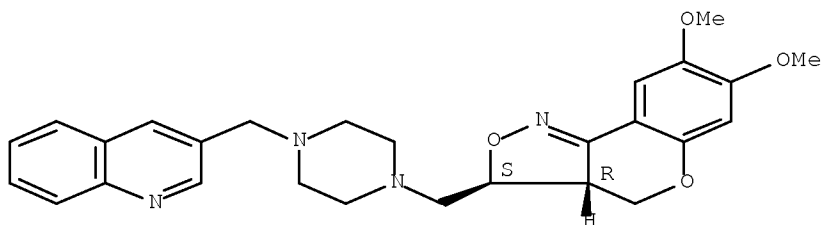
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-quinolinylmethyl)-1-piperazinyl]methyl]- (CA INDEX NAME)



RN 452316-15-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

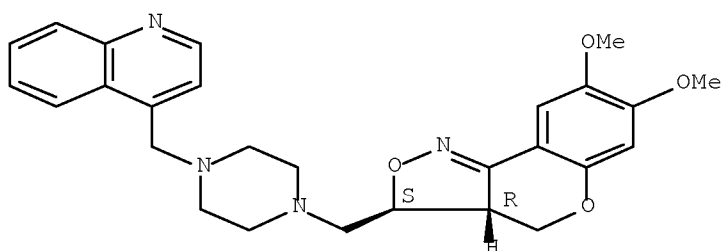
Relative stereochemistry.



RN 452316-18-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(4-quinolinylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

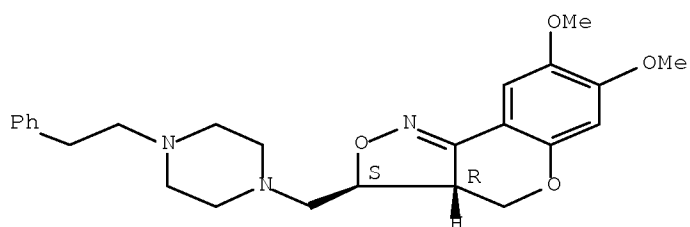


● 2 HCl

RN 452316-21-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-phenylethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

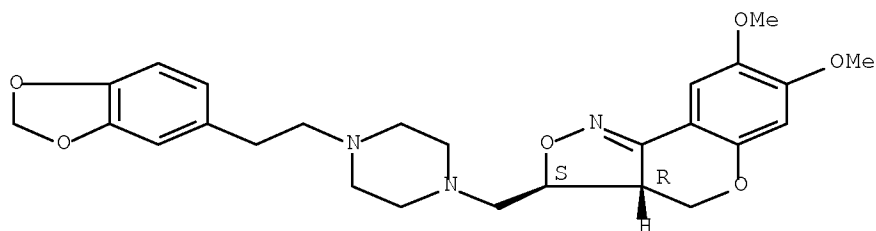
Relative stereochemistry.



RN 452316-24-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(1,3-benzodioxol-5-yl)ethyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

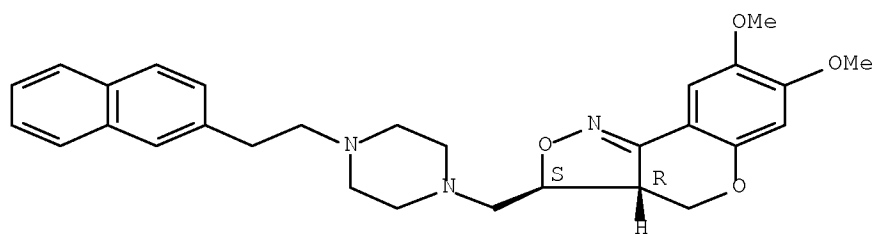


● 2 HCl

RN 452316-27-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(2-naphthalenyl)ethyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

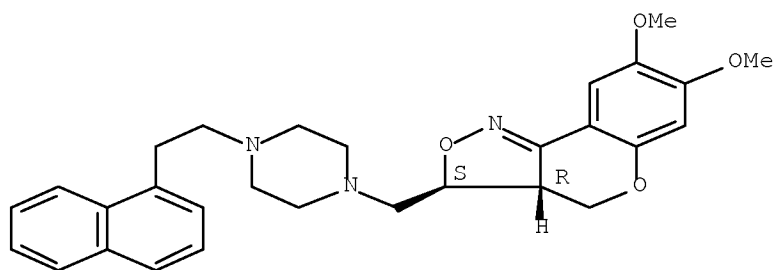


●2 HCl

RN 452316-30-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(1-naphthalenyl)ethyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

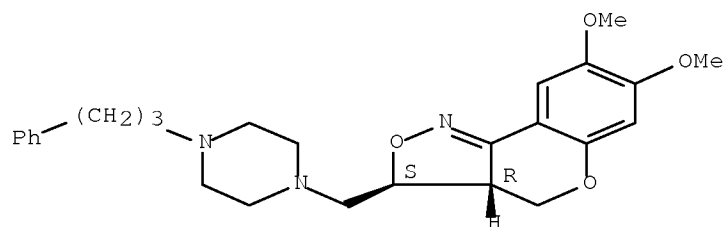


●2 HCl

RN 452316-33-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenylpropyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

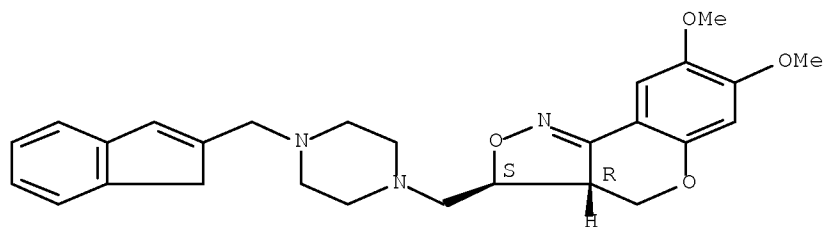
Relative stereochemistry.



RN 452316-36-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(1H-inden-2-ylmethyl)-1-piperazinyl]methyl]-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

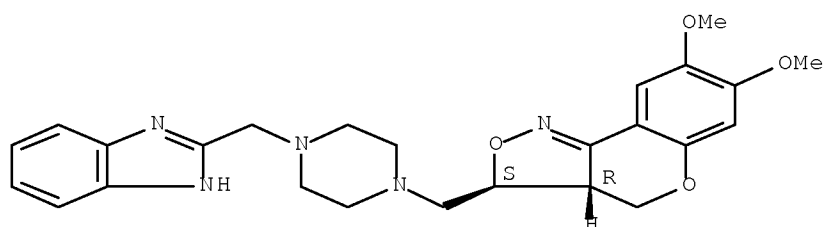
Relative stereochemistry.



RN 452316-39-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(1H-benzimidazol-2-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

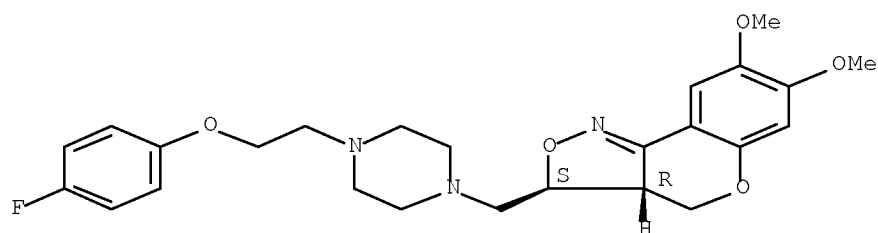
Relative stereochemistry.



RN 452316-42-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(4-fluorophenoxy)ethyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

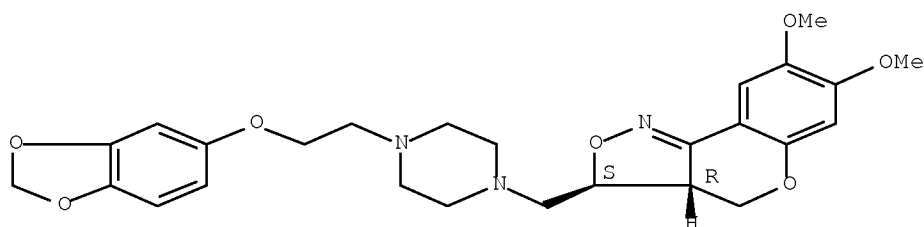


● 2 HCl

RN 452316-45-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(1,3-benzodioxol-5-yloxy)ethyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

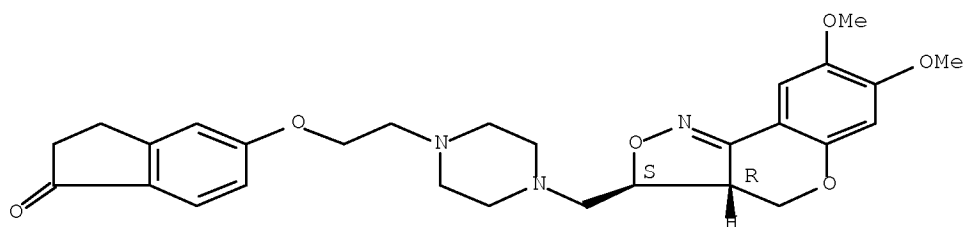
Relative stereochemistry.



RN 452316-48-2 CAPLUS

CN 1H-Inden-1-one, 5-[2-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]ethoxy]-2,3-dihydro-, rel- (CA INDEX NAME)

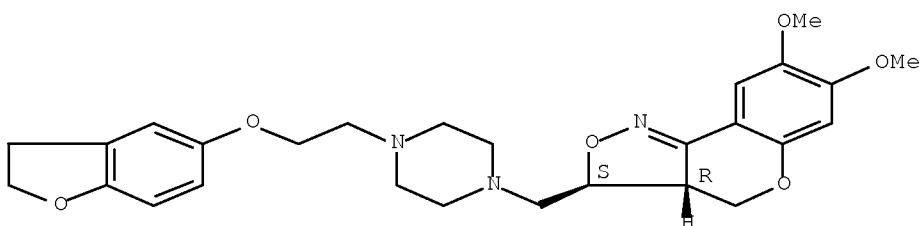
Relative stereochemistry.



RN 452316-51-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-[(2,3-dihydro-5-benzofuranyl)oxy]ethyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

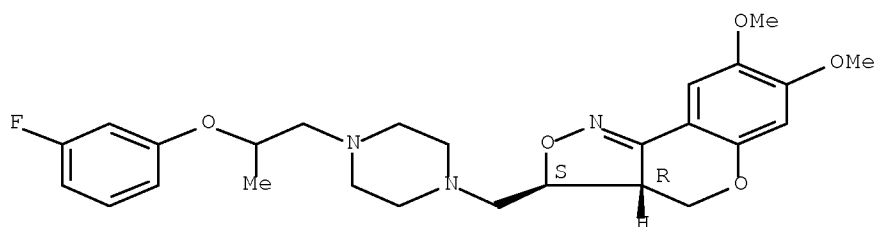
Relative stereochemistry.



RN 452316-53-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(3-fluorophenoxy)propyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

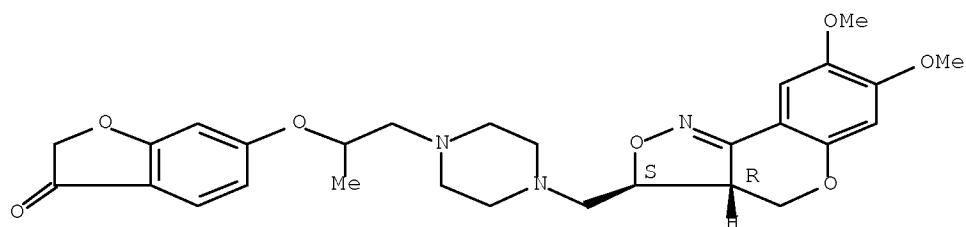
Relative stereochemistry.



RN 452316-55-1 CAPLUS

CN 3(2H)-Benzofuranone, 6-[2-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]-1-methylethoxy]-, rel- (CA INDEX NAME)

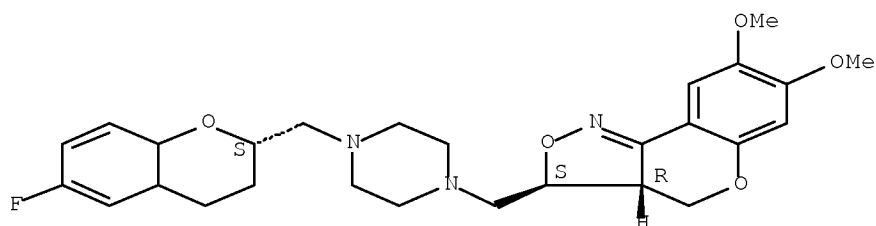
Relative stereochemistry.



RN 452316-58-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[[(2R)-6-fluoro-3,4,4a,8a-tetrahydro-2H-1-benzopyran-2-yl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

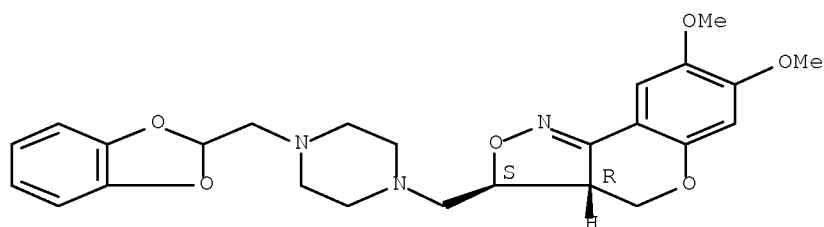
Relative stereochemistry.



RN 452316-64-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(1,3-benzodioxol-2-yl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

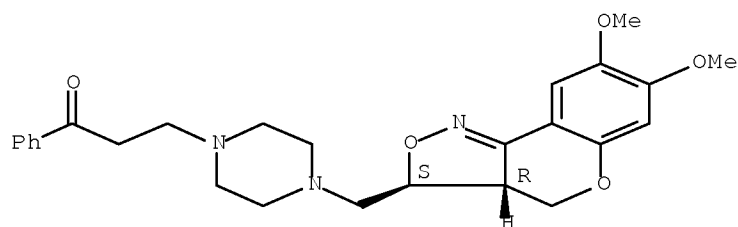
Relative stereochemistry.



RN 452316-66-4 CAPLUS

CN 1-Propanone, 3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-phenyl-, rel- (CA INDEX NAME)

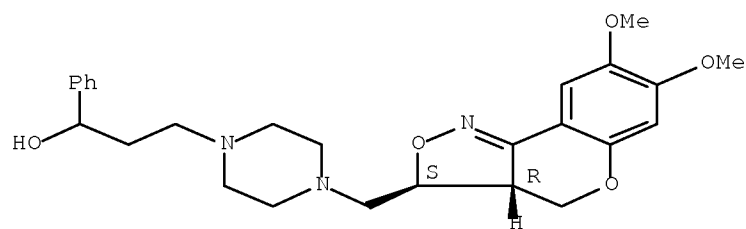
Relative stereochemistry.



RN 452316-69-7 CAPLUS

CN 1-Piperazinepropanol, 4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-α-phenyl-, rel- (CA INDEX NAME)

Relative stereochemistry.

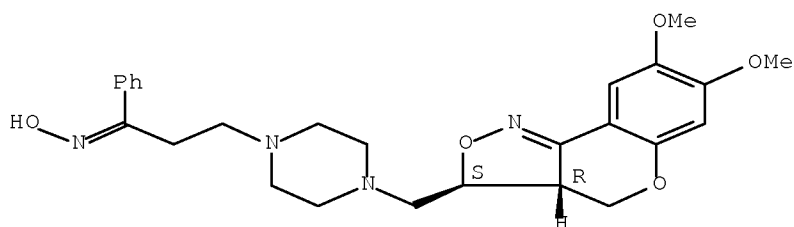


RN 452316-72-2 CAPLUS

CN 1-Propanone, 3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-phenyl-, oxime, rel- (CA INDEX NAME)

Relative stereochemistry.

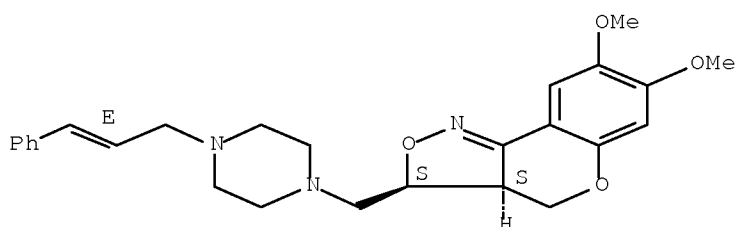
Double bond geometry unknown.



RN 452316-75-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

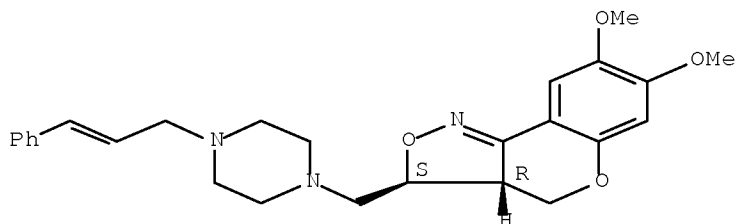
Relative stereochemistry.
Double bond geometry as shown.



RN 452316-81-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

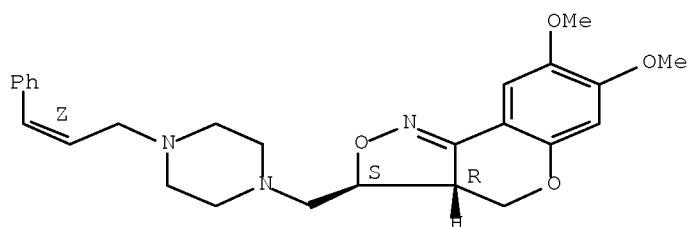
Relative stereochemistry.
Double bond geometry unknown.



RN 452316-84-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2Z)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

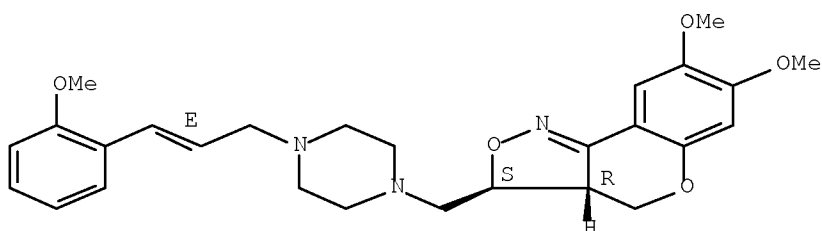
Relative stereochemistry.
Double bond geometry as shown.



RN 452316-87-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

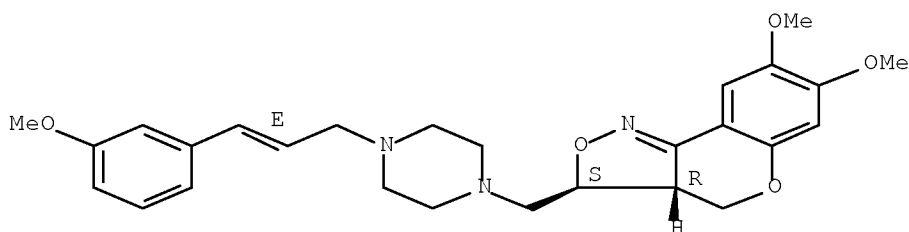


● 2 HCl

RN 452316-89-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-methoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

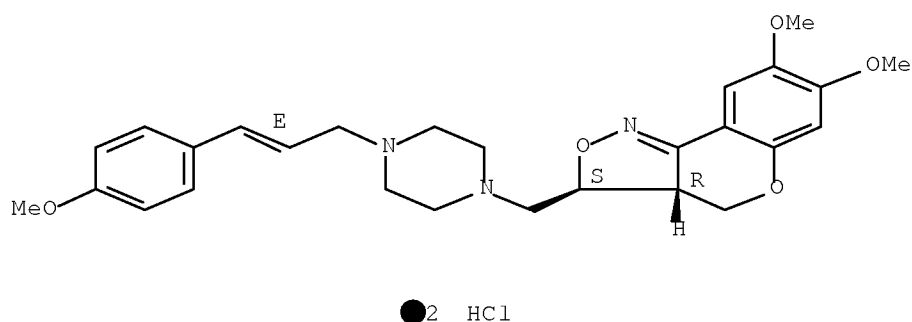


● 2 HCl

RN 452316-91-5 CAPLUS

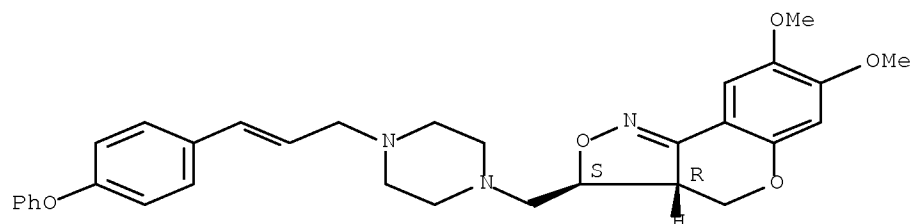
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(4-methoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



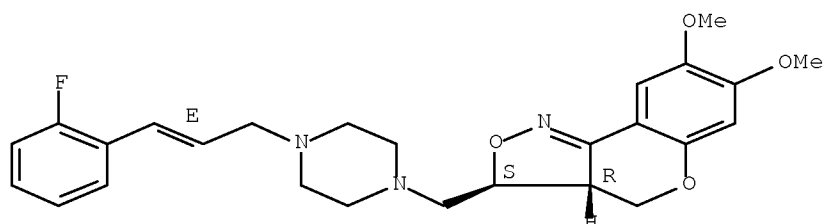
RN 452316-93-7 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(4-phenoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



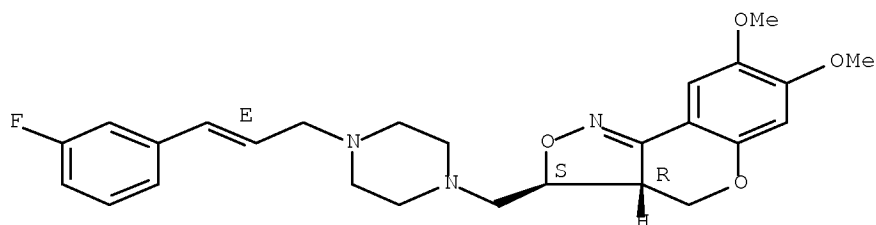
RN 452316-95-9 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



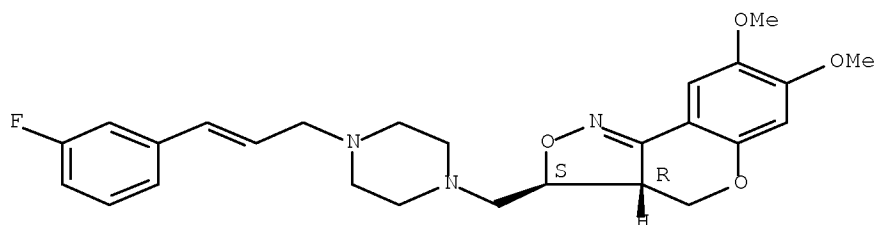
RN 452316-97-1 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



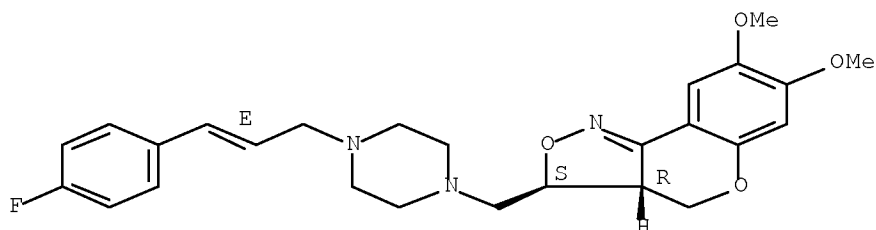
RN 452316-99-3 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 452317-02-1 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

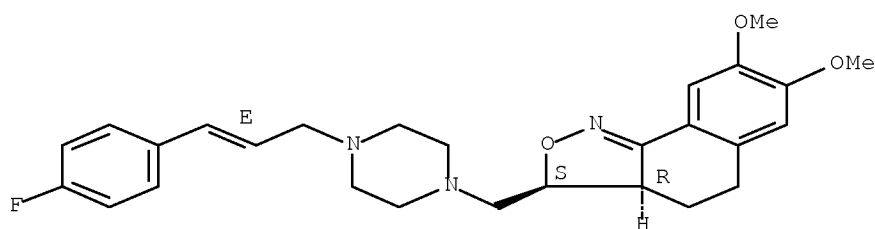


● 2 HCl

RN 452317-04-3 CAPLUS
CN Naphth[1,2-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aS)-rel-(+)-

(9CI) (CA INDEX NAME)

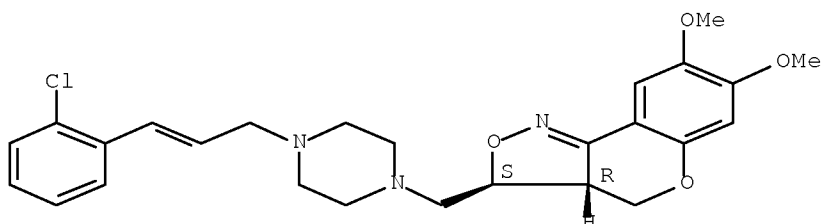
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452317-06-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-chlorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

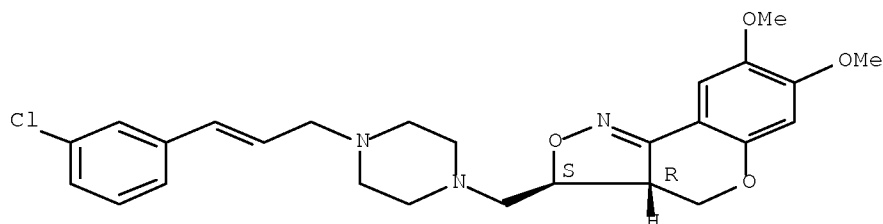
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-08-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(3-chlorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

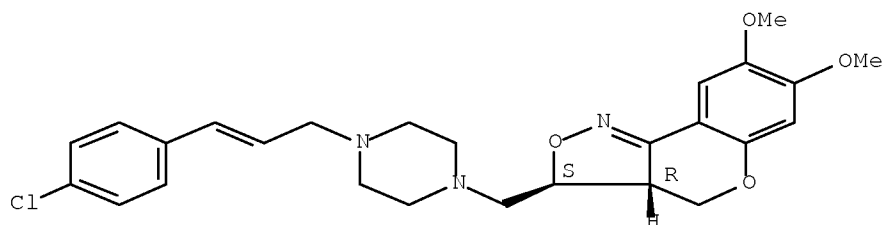
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-10-1 CAPLUS

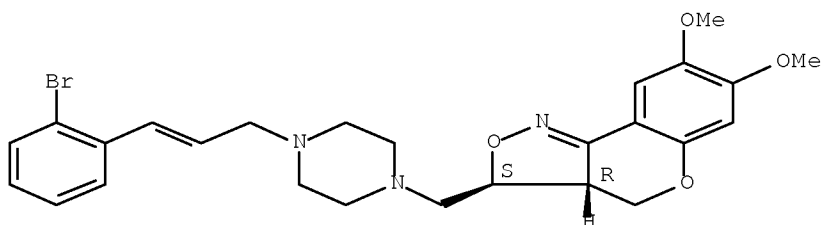
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(4-chlorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



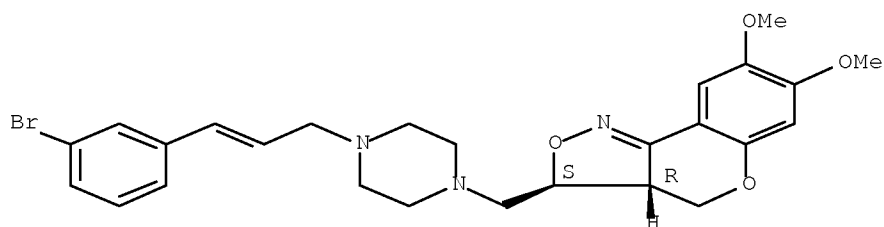
RN 452317-12-3 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-bromophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



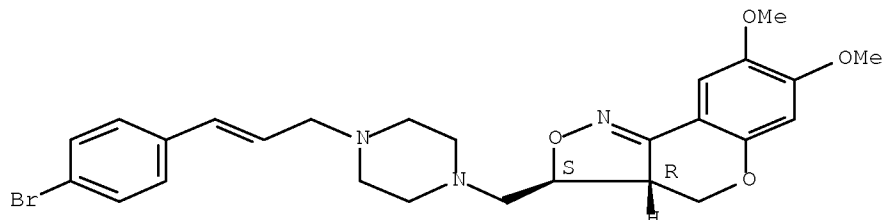
RN 452317-14-5 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(3-bromophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



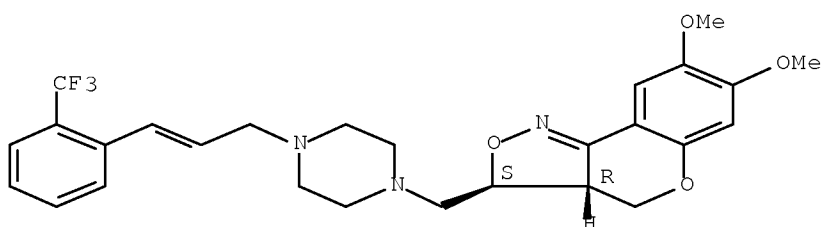
RN 452317-16-7 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(4-bromophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



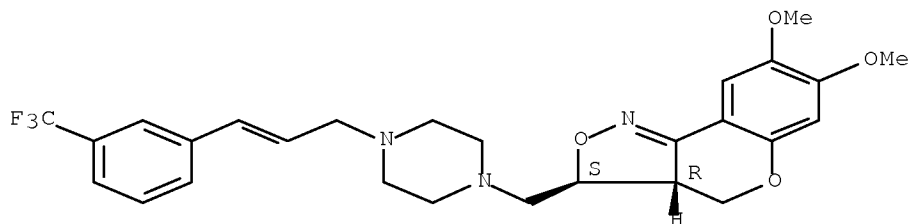
RN 452317-18-9 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-[2-(trifluoromethyl)phenyl]-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 452317-20-3 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-[3-(trifluoromethyl)phenyl]-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

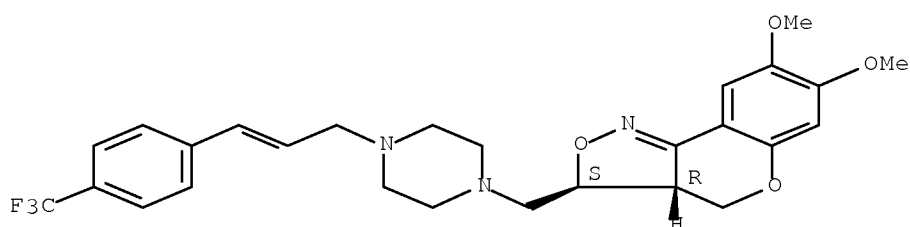
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-22-5 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-[4-(trifluoromethyl)phenyl]-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry unknown.

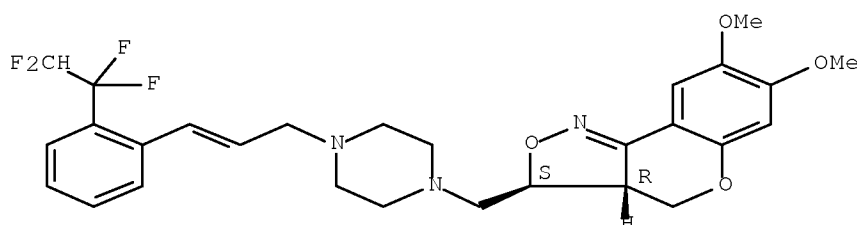


RN 452317-24-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-[2-(1,1,2,2-tetrafluoroethyl)phenyl]-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry unknown.

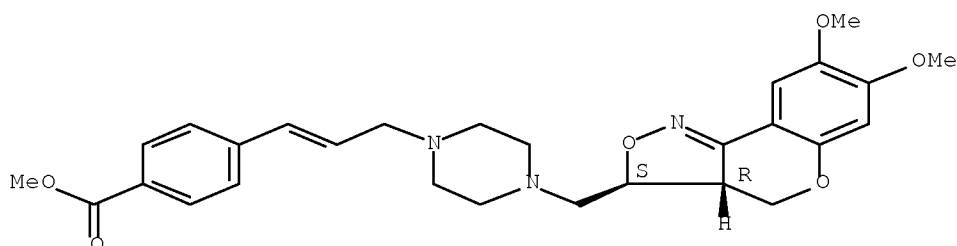


RN 452317-26-9 CAPLUS

CN Benzoic acid, 4-[3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry unknown.

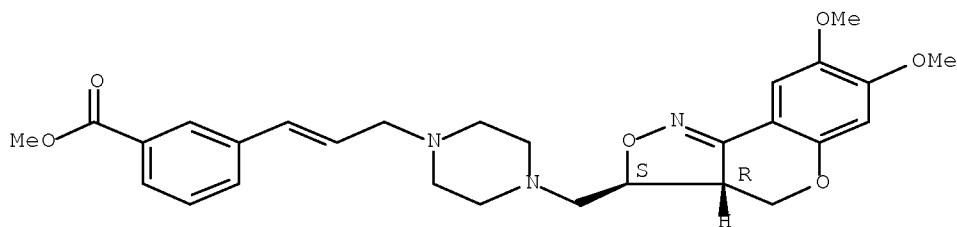


RN 452317-28-1 CAPLUS

CN Benzoic acid, 3-[3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, methyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

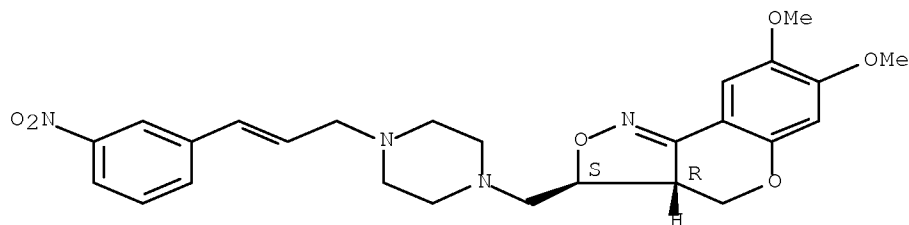
Double bond geometry unknown.



RN 452317-30-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(3-nitrophenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

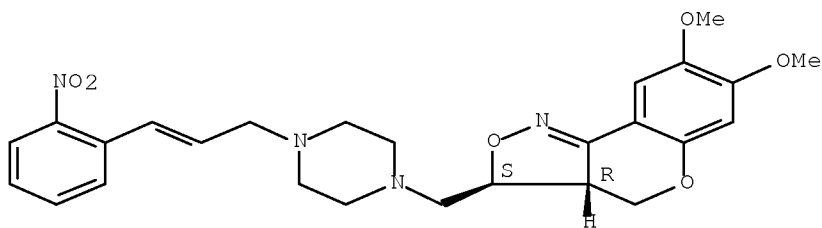
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-32-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(2-nitrophenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

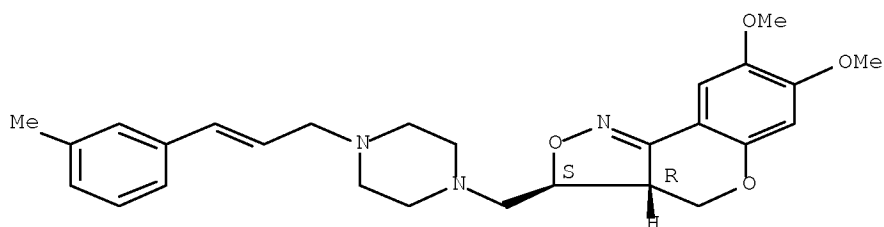
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-34-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(3-methylphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

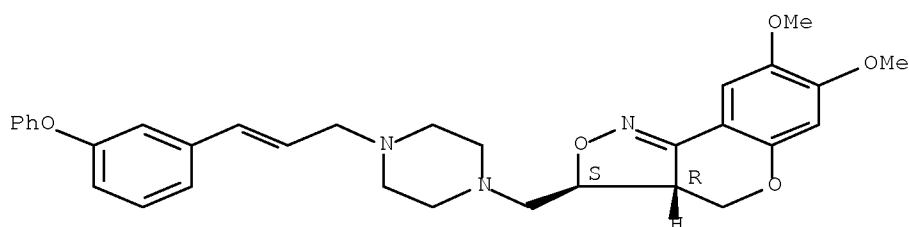
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-36-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(3-phenoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

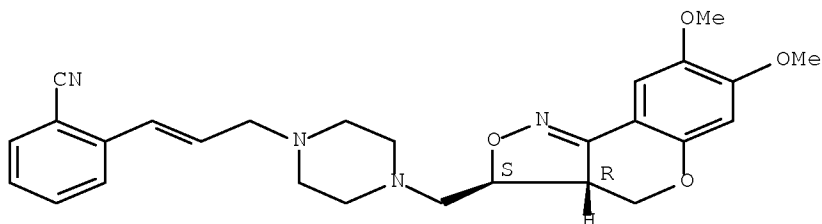
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-38-3 CAPLUS

CN Benzonitrile, 2-[3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, rel- (9CI) (CA INDEX NAME)

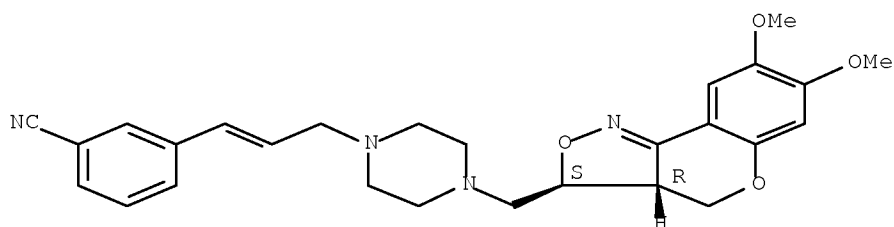
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-40-7 CAPLUS

CN Benzonitrile, 3-[3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, rel- (9CI) (CA INDEX NAME)

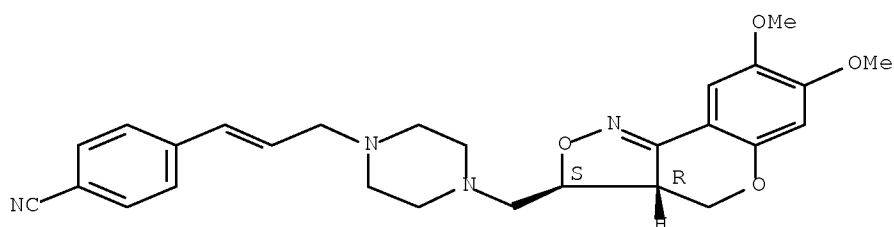
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-42-9 CAPLUS

CN Benzonitrile, 4-[3-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, rel- (9CI) (CA INDEX NAME)

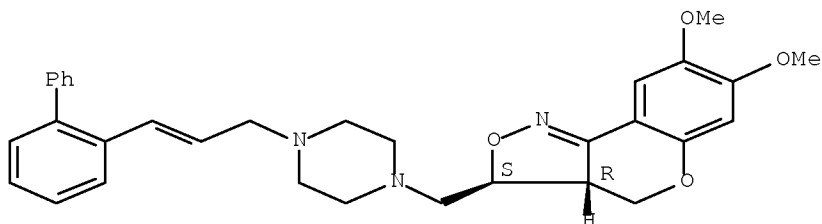
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-44-1 CAPLUS

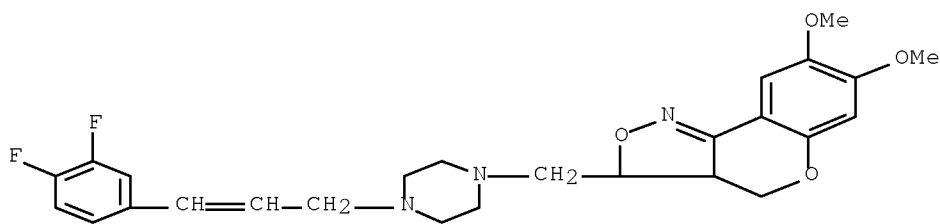
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(3-[1,1'-biphenyl]-2-yl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



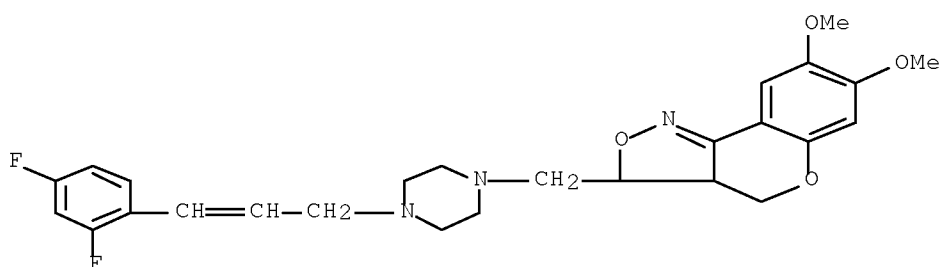
RN 452317-46-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(3,4-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)



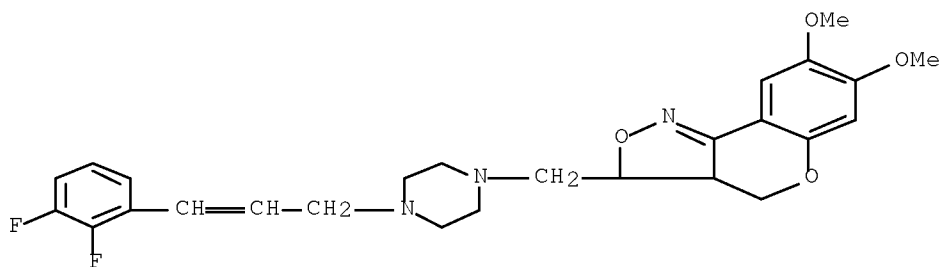
RN 452317-48-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,4-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)



RN 452317-50-9 CAPLUS

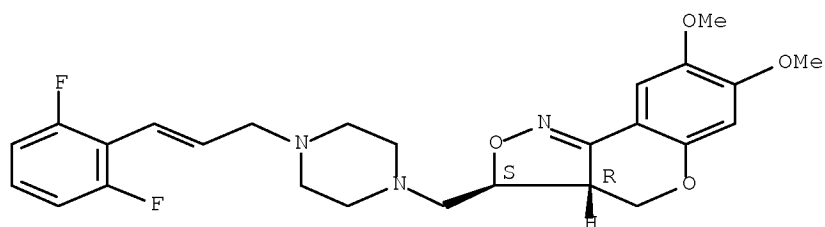
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,3-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)



RN 452317-52-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,6-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

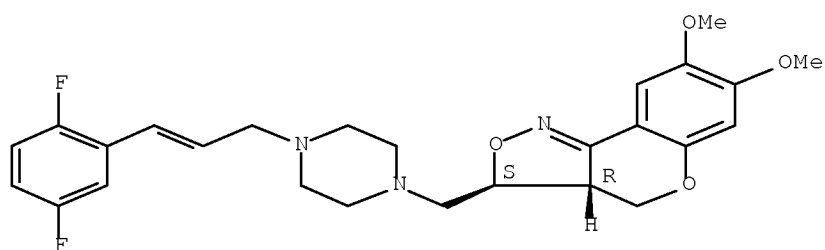
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-54-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,5-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

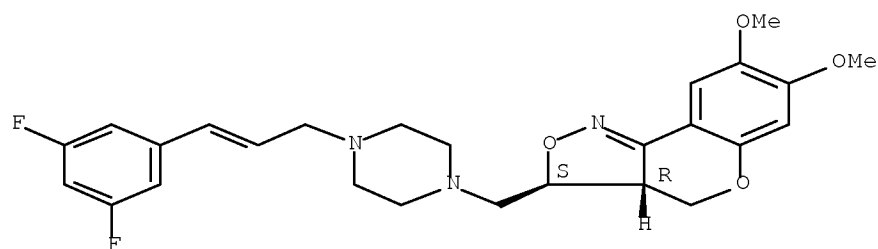
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-56-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(3,5-difluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

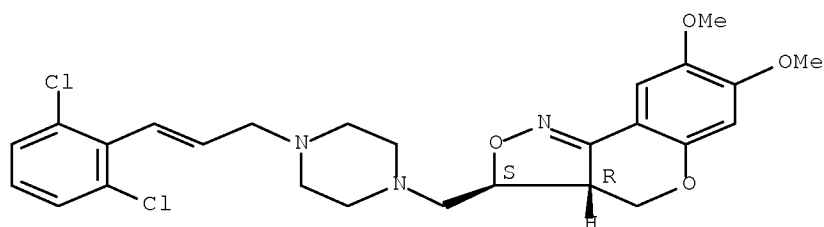
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-58-7 CAPLUS

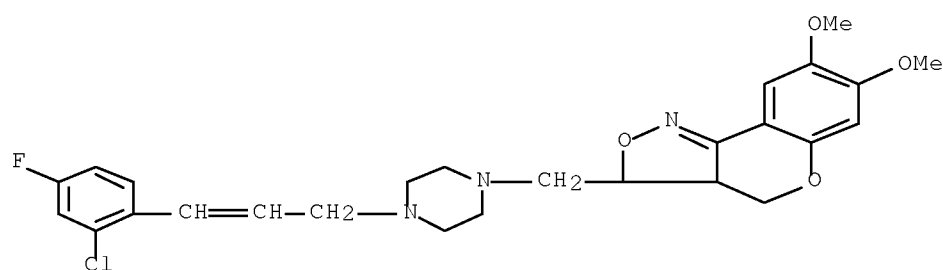
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,6-dichlorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry unknown.



RN 452317-60-1 CAPLUS

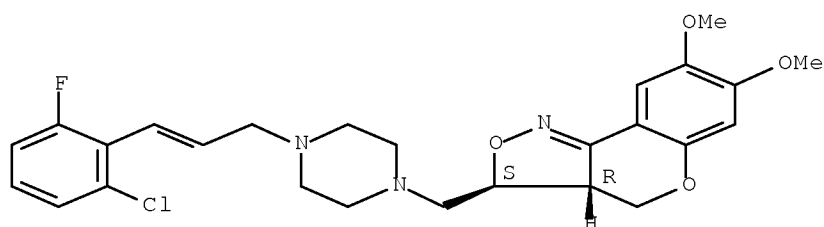
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-chloro-4-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)



RN 452317-64-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-chloro-6-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

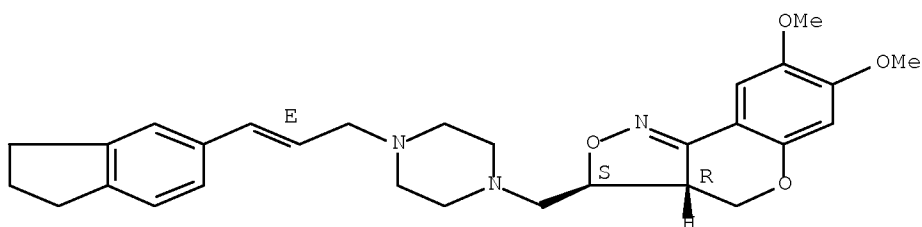
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-67-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,3-dihydro-1H-inden-5-yl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

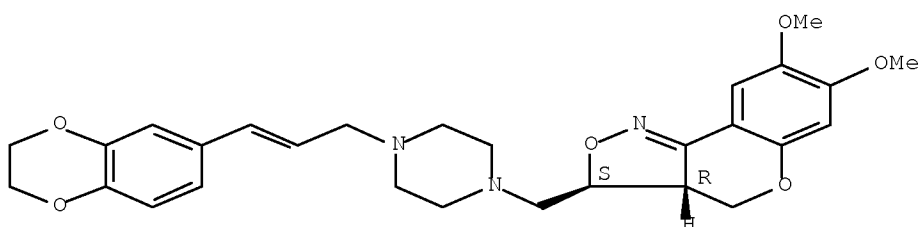
Relative stereochemistry.
Double bond geometry as shown.



RN 452317-69-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

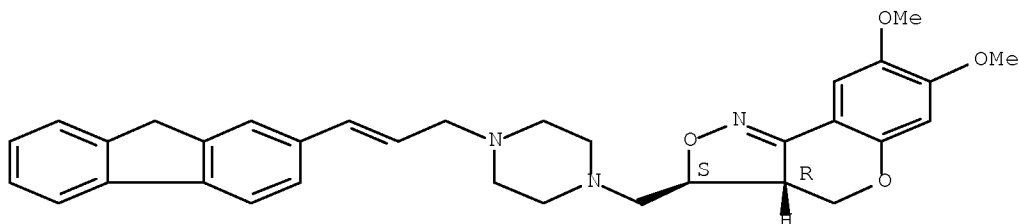
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-71-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(9H-fluoren-2-yl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

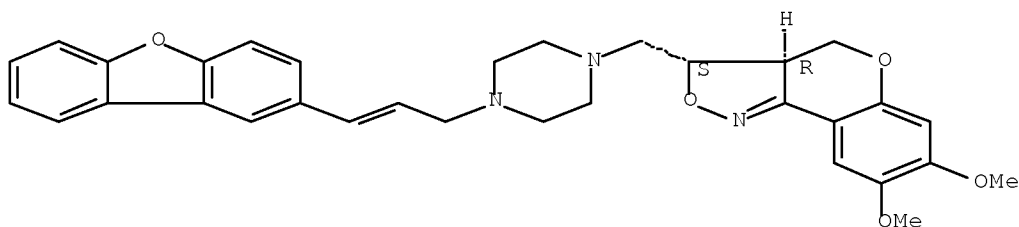
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-73-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-dibenzofuranyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

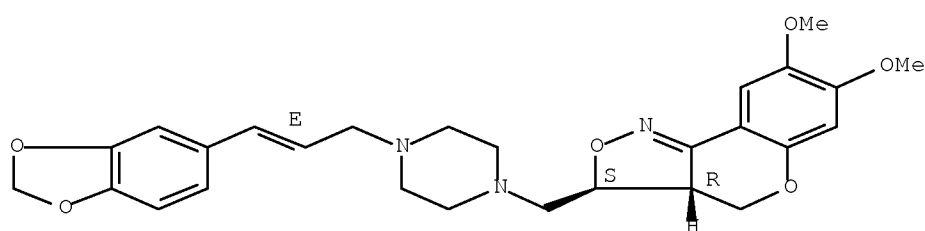
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-76-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(1,3-benzodioxol-5-yl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

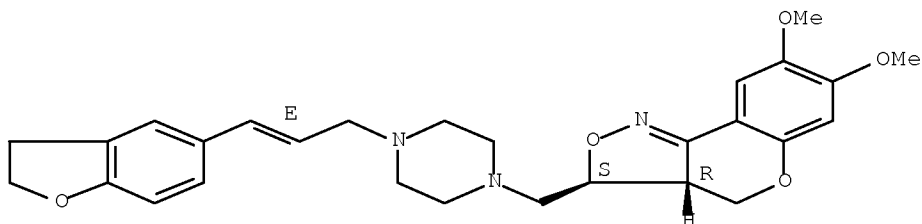
Relative stereochemistry.
Double bond geometry as shown.



RN 452317-79-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,3-dihydro-5-benzofuranyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

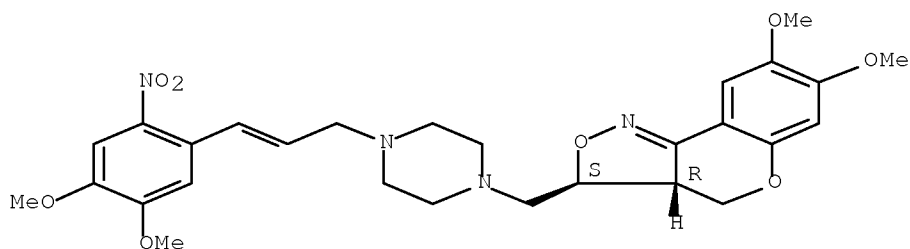
Relative stereochemistry.
Double bond geometry as shown.



RN 452317-82-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4,5-dimethoxy-2-nitrophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

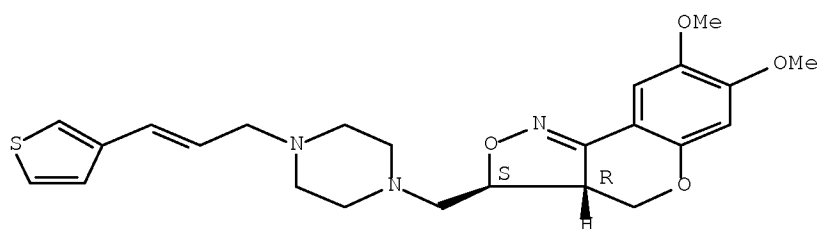
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-84-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(3-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

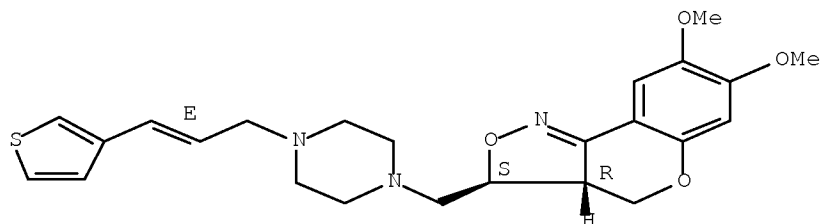
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-86-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

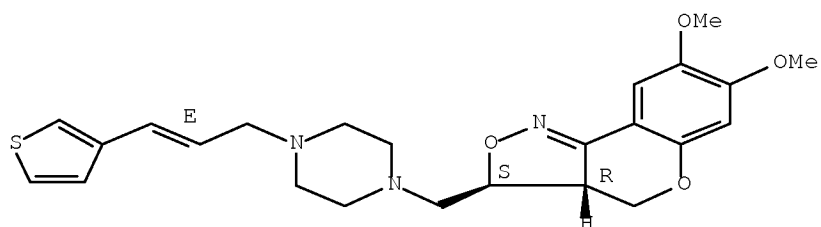
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452317-89-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

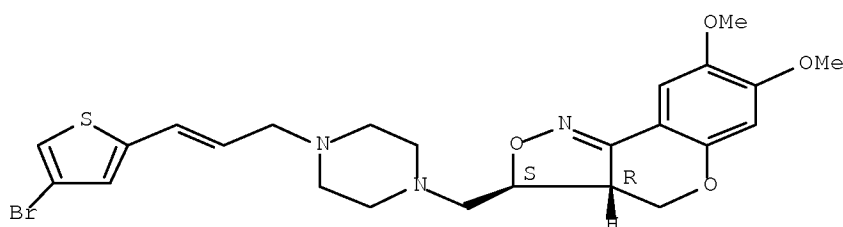
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452317-92-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(4-bromo-2-thienyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

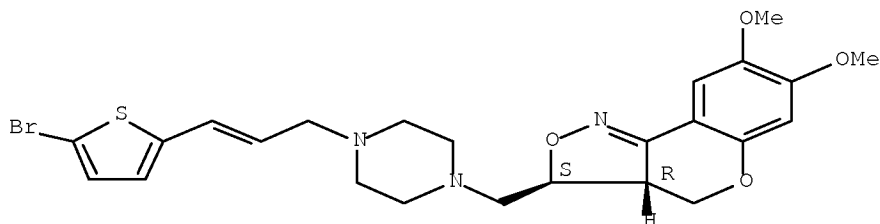
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-94-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(5-bromo-2-thienyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

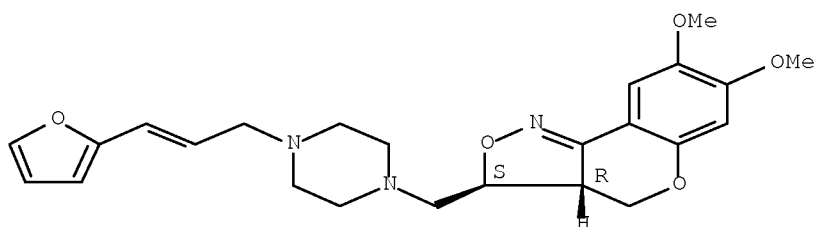
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-96-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(2-furanyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

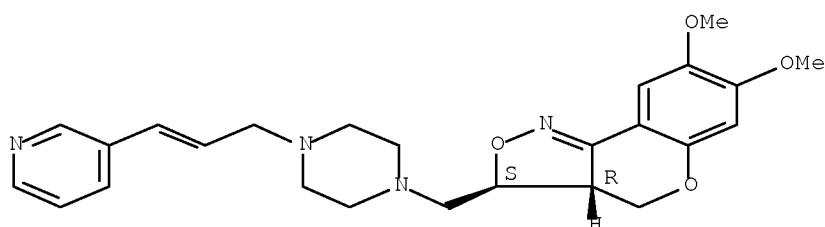
Relative stereochemistry.
Double bond geometry unknown.



RN 452317-99-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(3-pyridinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

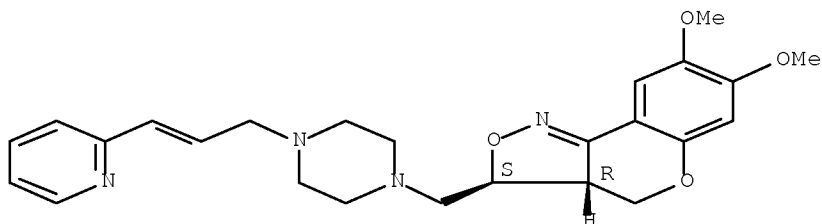
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-02-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(2-pyridinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

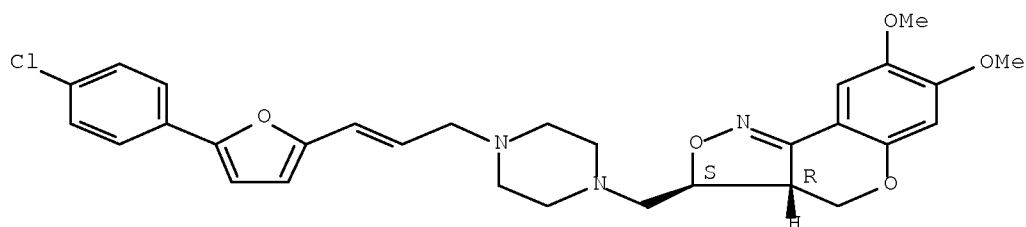
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-04-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-[5-(4-chlorophenyl)-2-furanylmethyl]-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

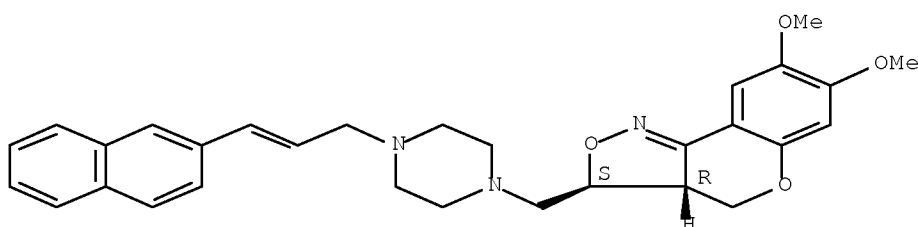
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-07-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(2-naphthalenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

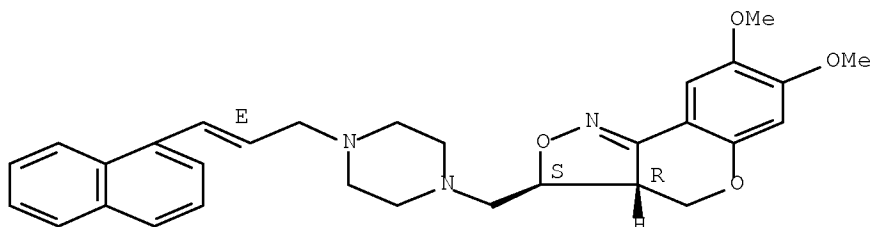
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-09-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(1-naphthalenyl)-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

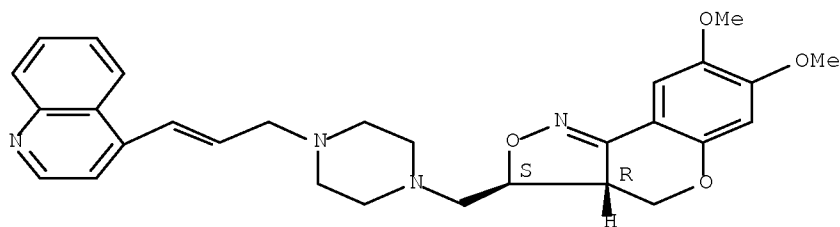


● 2 HCl

RN 452318-11-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(4-quinolinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

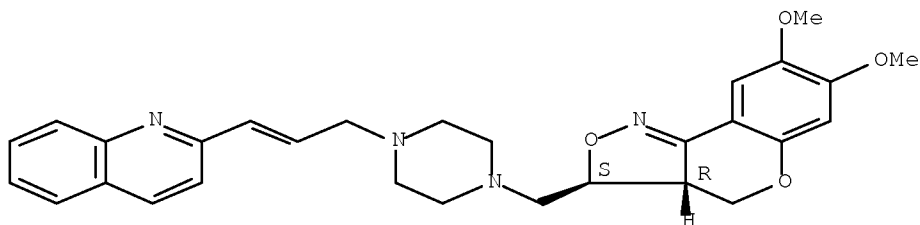
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-13-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[3-(2-quinolinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

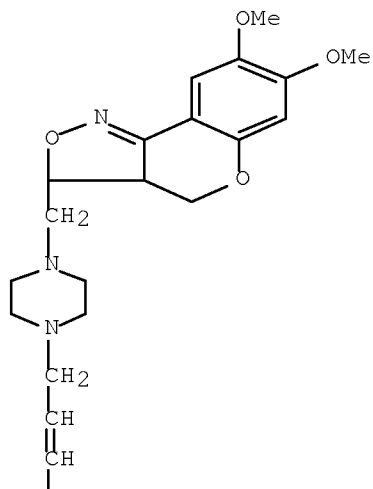
Relative stereochemistry.
Double bond geometry unknown.



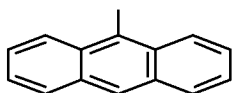
RN 452318-15-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(9-anthracenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)

PAGE 1-A



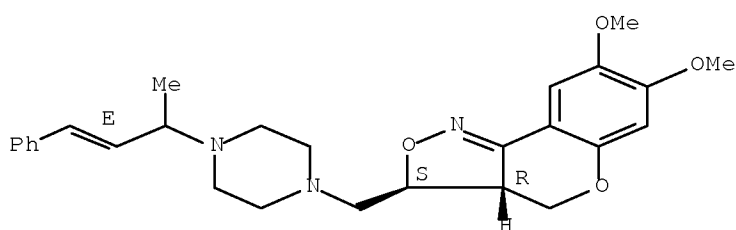
PAGE 2-A



RN 452318-18-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-1-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

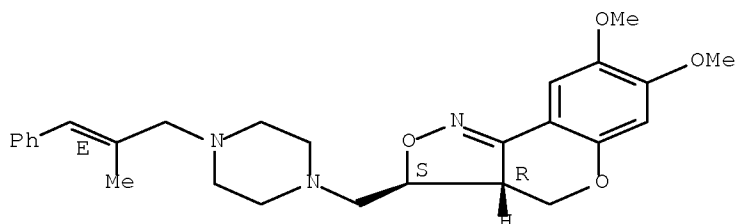
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-20-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

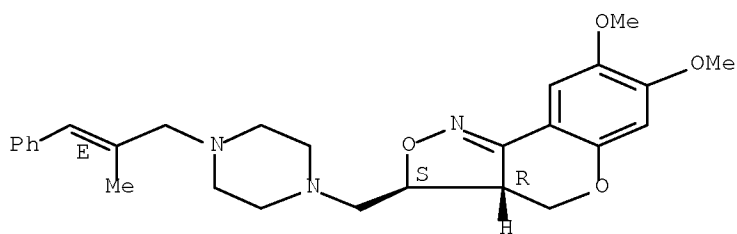
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-22-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

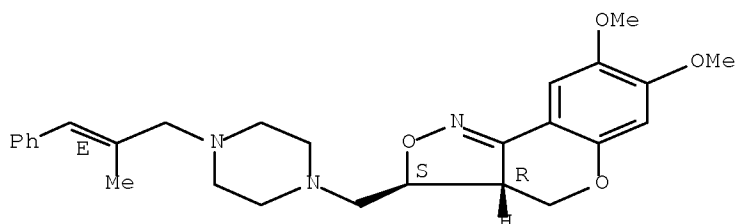


● 2 HCl

RN 452318-24-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)-(9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-27-3 CAPLUS

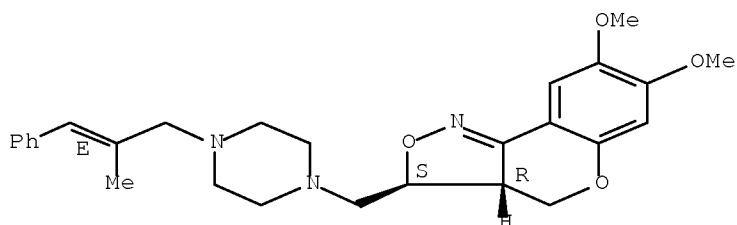
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-, (2E)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 452318-26-2

CMF C27 H33 N3 O4

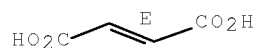
Relative stereochemistry.
Double bond geometry as shown.



CM 2

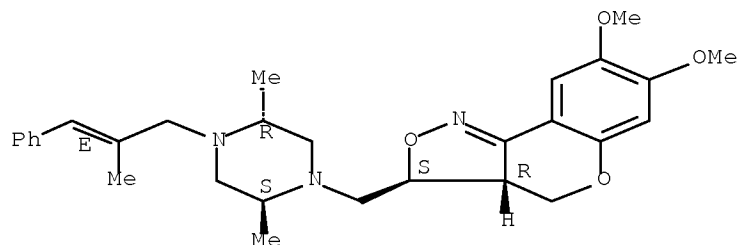
CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



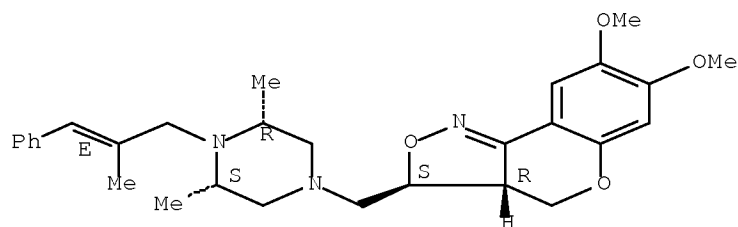
RN 452318-30-8 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[(2R,5S)-2,5-dimethyl-4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



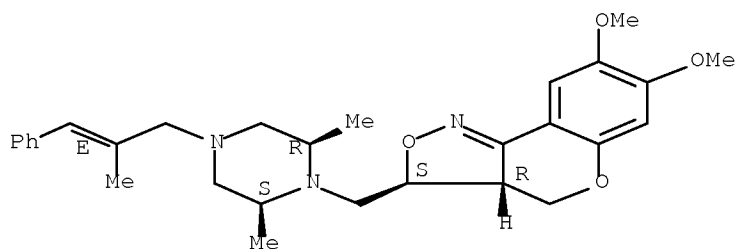
RN 452318-32-0 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[(3R,5S)-3,5-dimethyl-4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452318-34-2 CAPLUS
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[(2R,6S)-2,6-dimethyl-4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

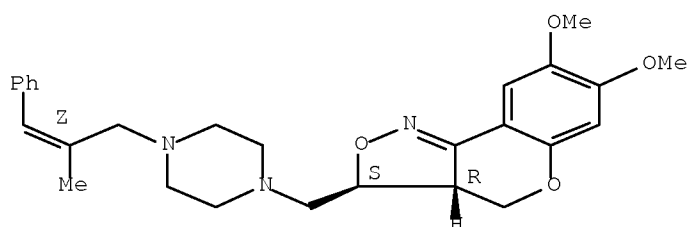
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-36-4 CAPLUS

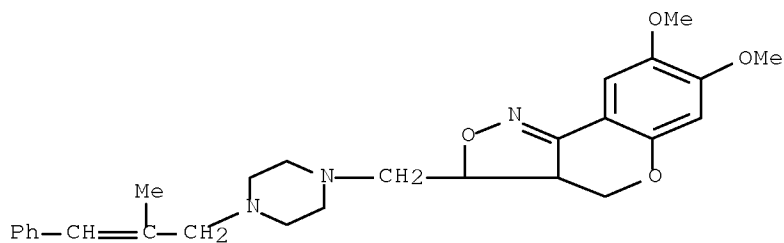
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2Z)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



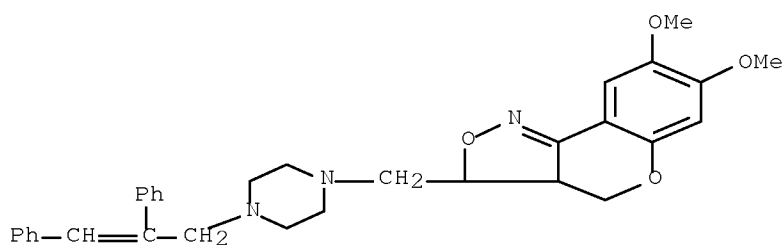
RN 452318-38-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(2-methyl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME)



RN 452318-41-1 CAPLUS

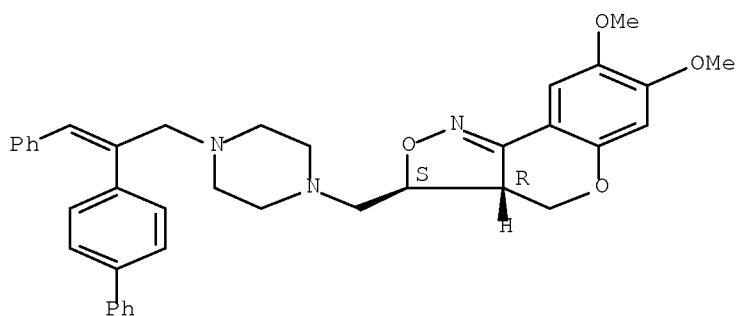
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2,3-diphenyl-2-propenyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy- (9CI) (CA INDEX NAME)



RN 452318-43-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2-[1,1'-biphenyl]-4-yl-3-phenyl-2-propenyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

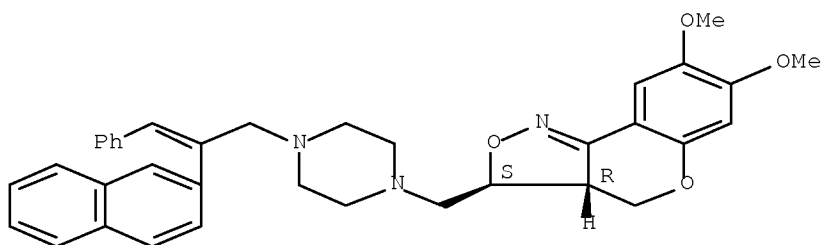
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-45-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(2-naphthalenyl)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

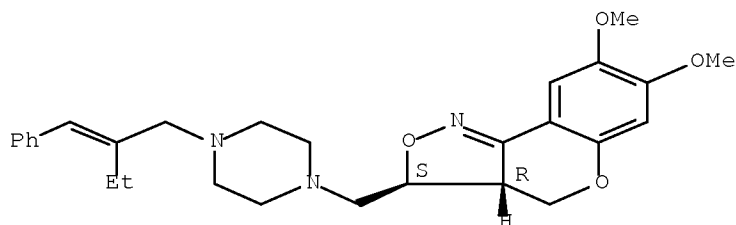
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-47-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(phenylmethylene)butyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

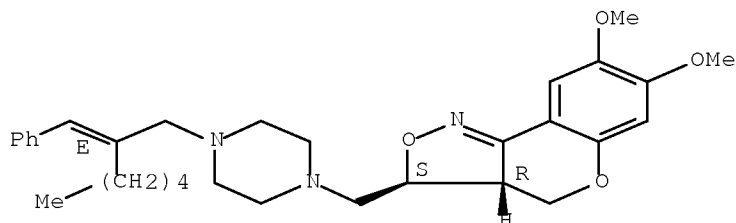
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-49-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-(phenylmethylene)heptyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

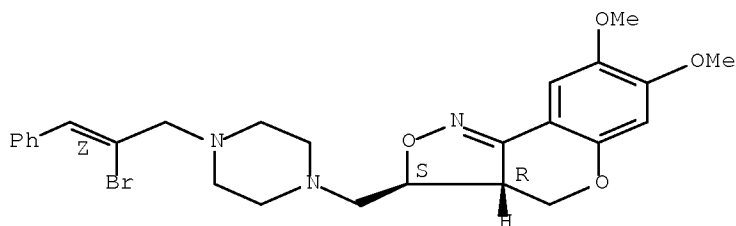
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-52-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-2-bromo-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

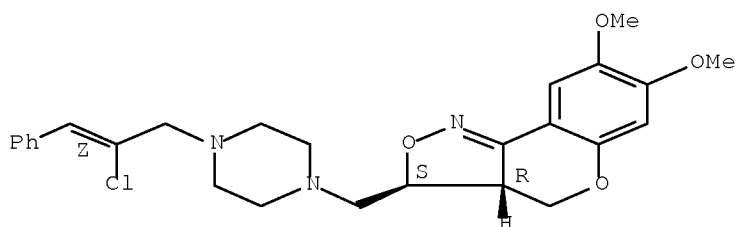
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-54-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-2-chloro-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

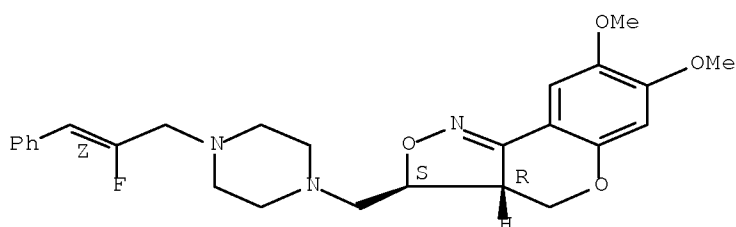
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-57-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-2-fluoro-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

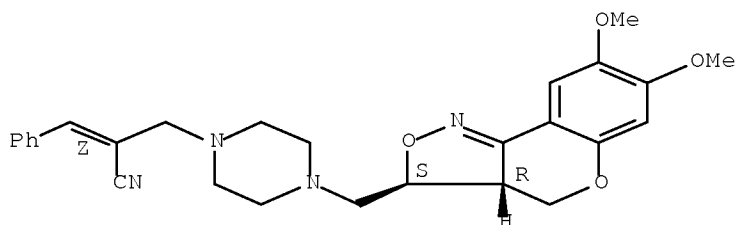
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-60-4 CAPLUS

CN 1-Piperazinepropanenitrile, 4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]- α -(phenylmethylene)-, (α Z)-rel- (CA INDEX NAME)

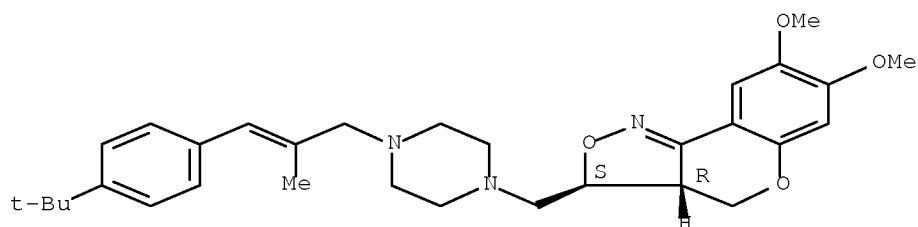
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-63-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

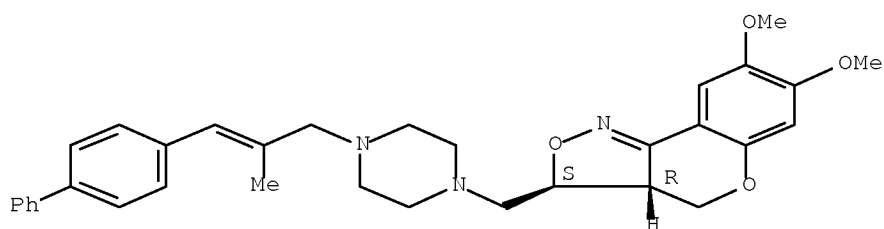
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-65-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(3-[1,1'-biphenyl]-4-yl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

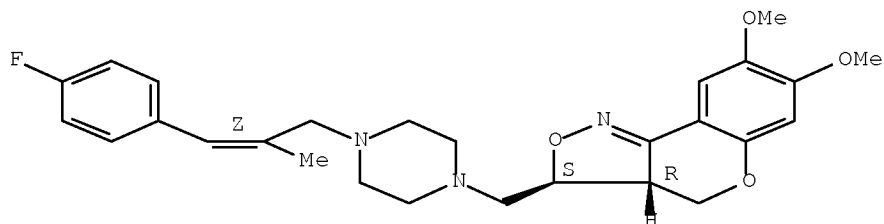
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-67-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

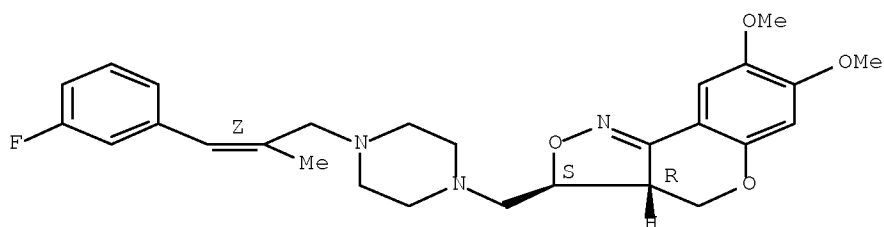
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-69-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

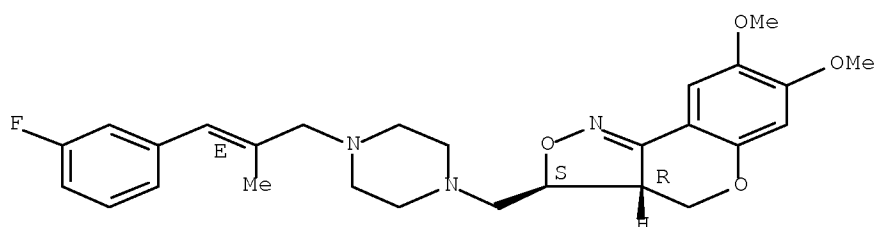
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-71-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

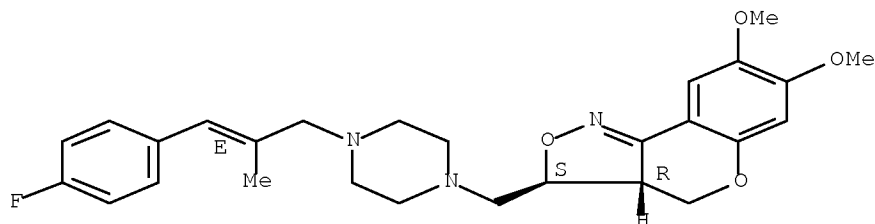
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-73-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

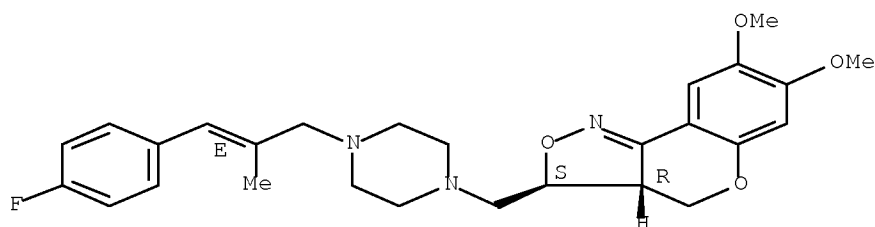
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-75-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3S,3aR)-rel-(-)- (CA INDEX NAME)

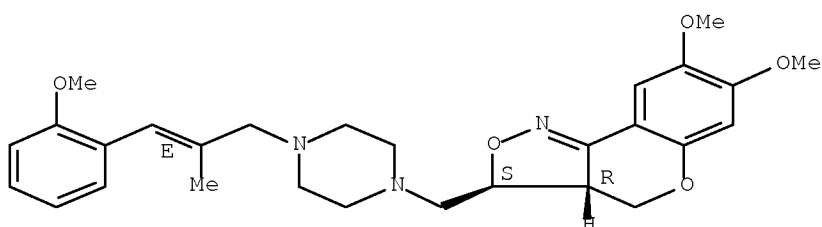
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-77-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methoxyphenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

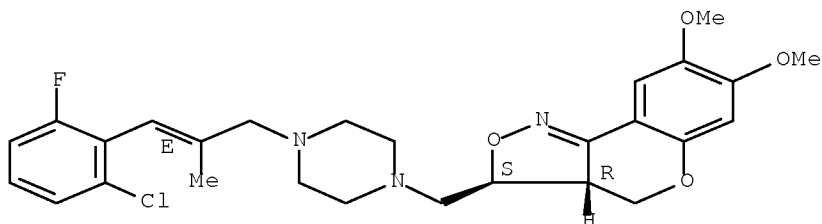
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-79-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-chloro-6-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

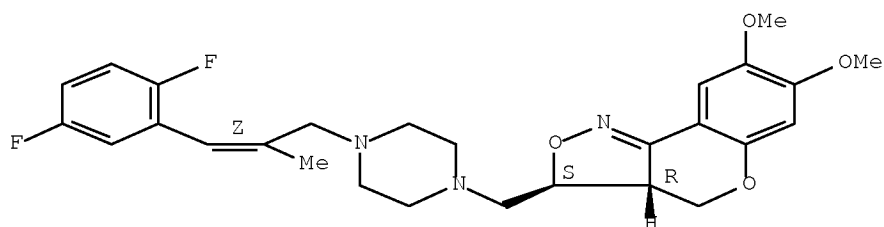
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-81-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-(2,5-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

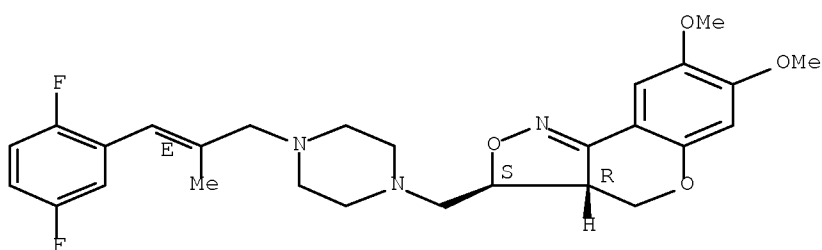
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-83-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,5-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

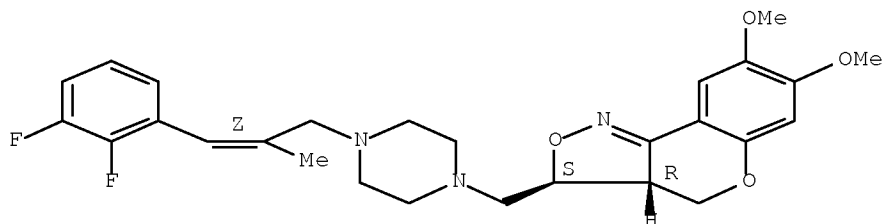
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-85-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-(2,3-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

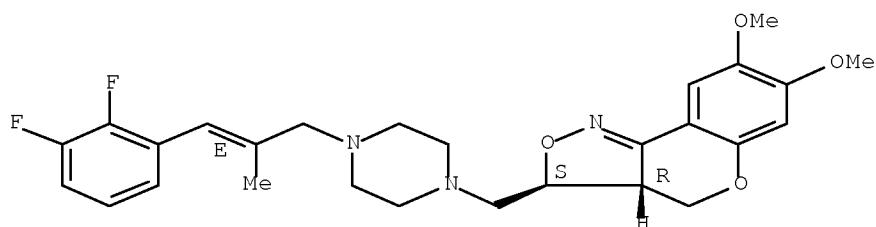
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-87-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,3-difluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

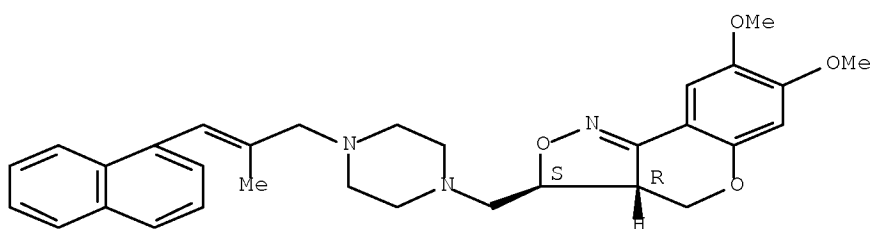
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-89-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-methyl-3-(1-naphthalenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

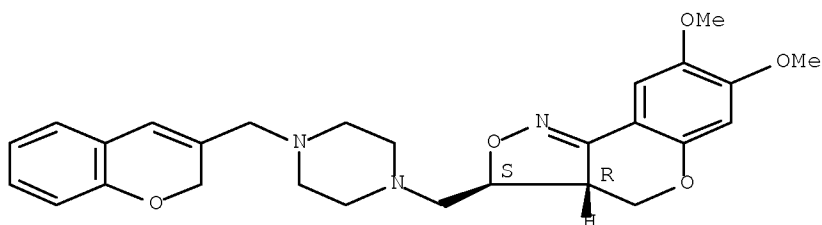
Relative stereochemistry.
Double bond geometry unknown.



RN 452318-91-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2H-1-benzopyran-3-ylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

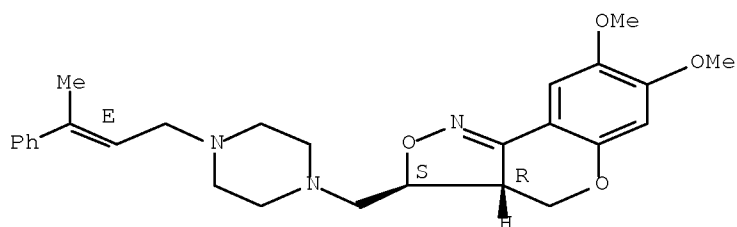
Relative stereochemistry.



RN 452318-93-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

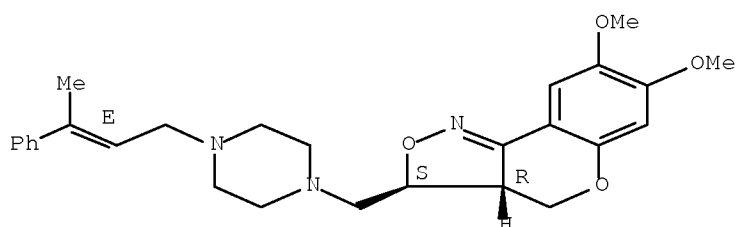
Relative stereochemistry.
Double bond geometry as shown.



RN 452318-95-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

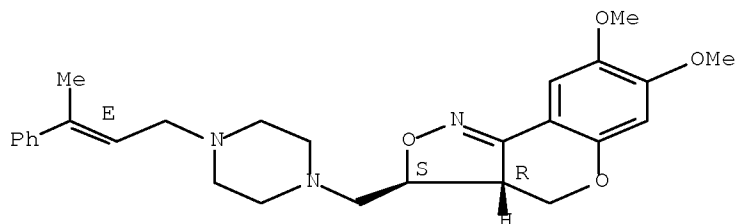
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-97-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

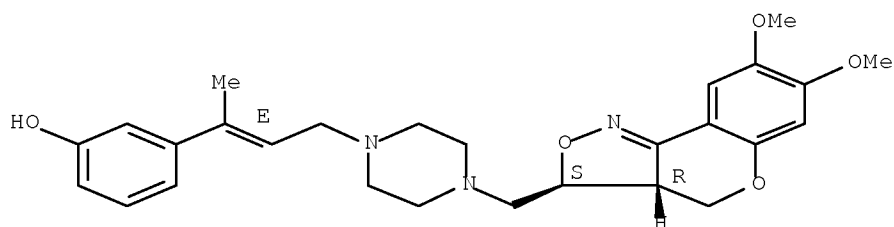
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452318-99-9 CAPLUS

CN Phenol, 3-[(1E)-3-[4-[[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-methyl-1-propenyl]-, rel- (9CI) (CA INDEX NAME)

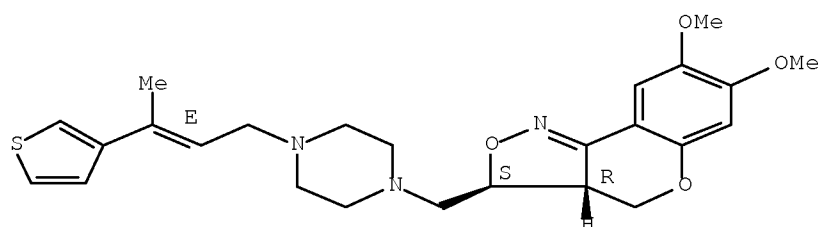
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-01-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-thienyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

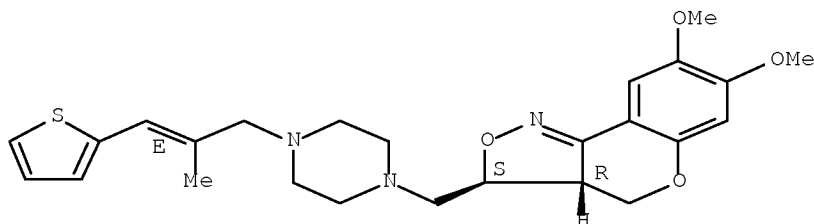
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-03-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(2-thienyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

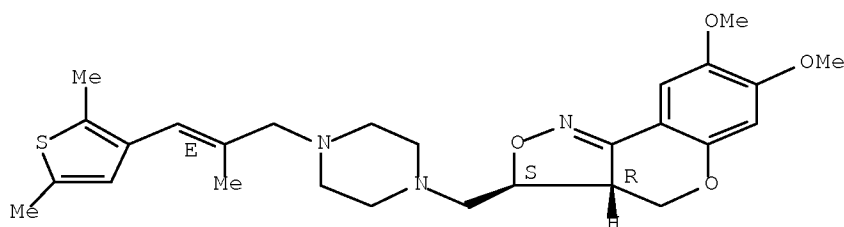
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-05-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,5-dimethyl-3-thienyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

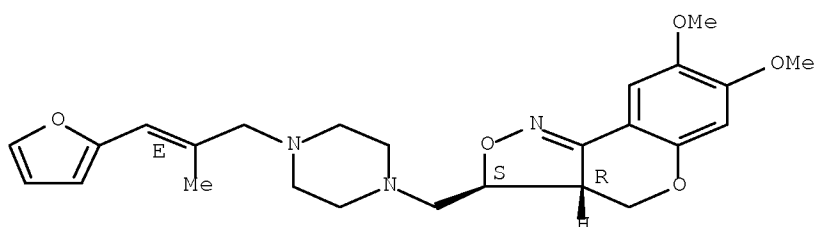
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-07-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-furanyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

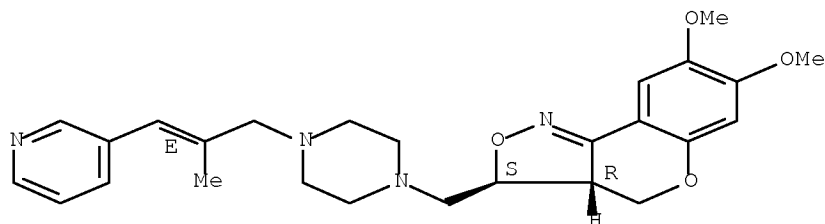
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-09-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(3-pyridinyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

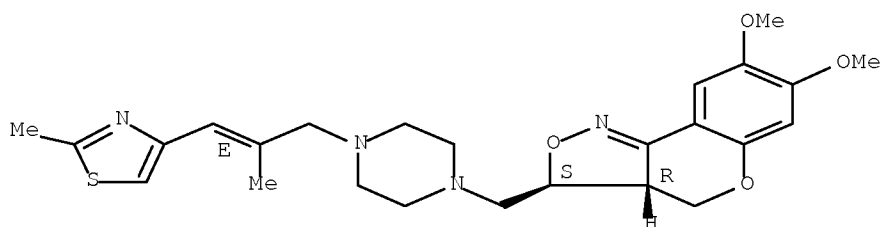
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-11-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-2-methyl-3-(2-methyl-4-thiazolyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

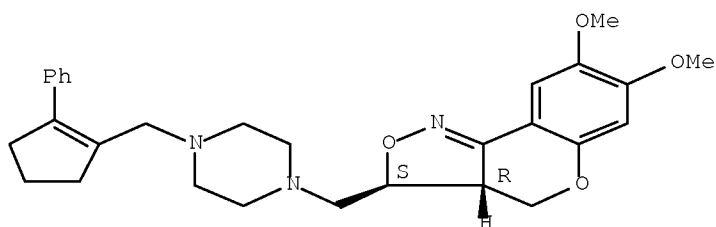
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-13-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2-phenyl-1-cyclopenten-1-yl)methyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

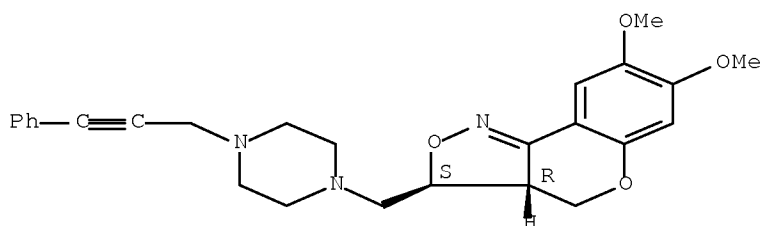
Relative stereochemistry.



RN 452319-15-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(3-phenyl-2-propynyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

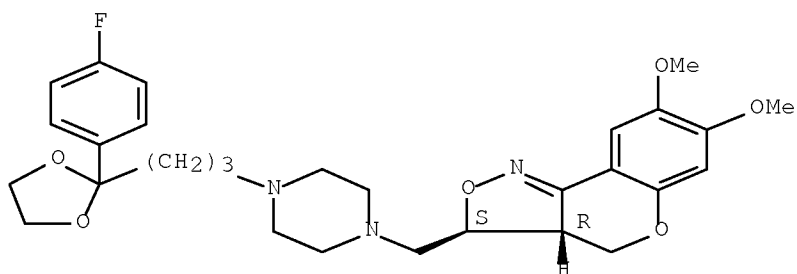
Relative stereochemistry.



RN 452319-17-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-[2-(4-fluorophenyl)-1,3-dioxolan-2-yl]propyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

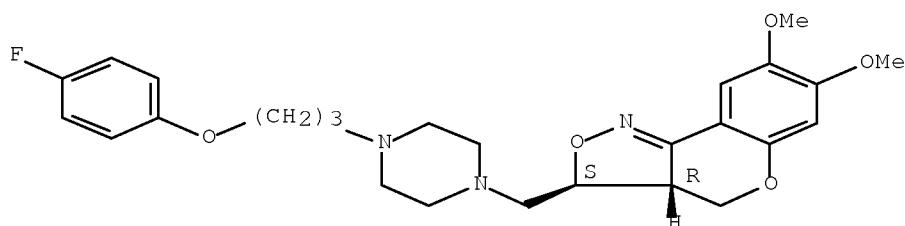
Relative stereochemistry.



RN 452319-20-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[3-(4-fluorophenoxy)propyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

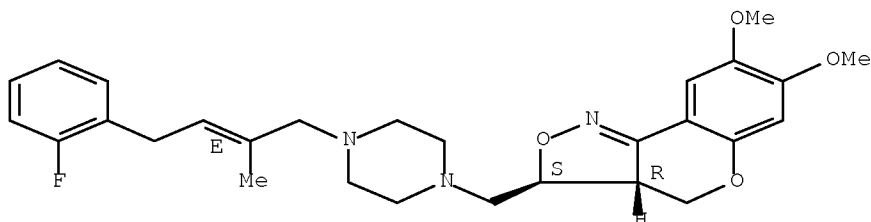


RN 452319-22-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-4-(2-fluorophenyl)-2-methyl-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

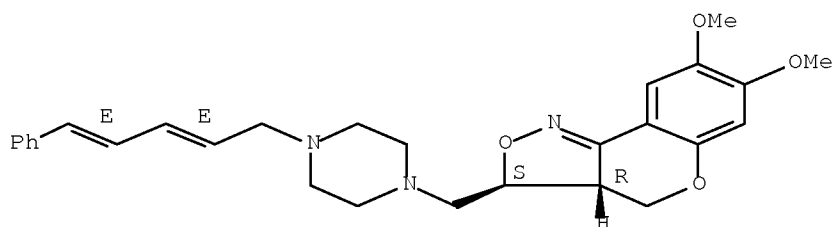


RN 452319-24-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E,4E)-5-phenyl-2,4-pentadienyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

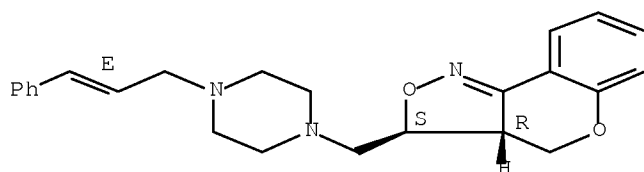
Double bond geometry as shown.



RN 452319-25-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

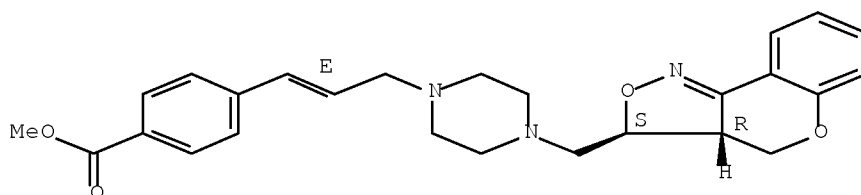
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-27-6 CAPLUS

CN Benzoic acid, 4-[(1E)-3-[4-[(3R,3aS)-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl]methyl]-1-piperazinyl]-1-propenyl]-, methyl ester, rel- (9CI) (CA INDEX NAME)

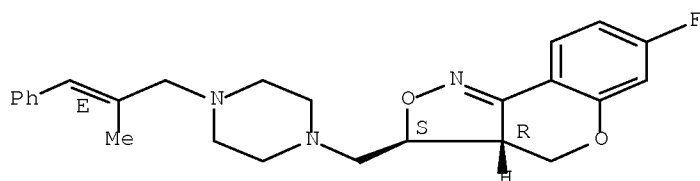
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-29-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-fluoro-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

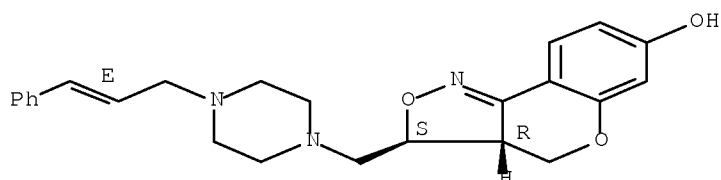
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-31-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

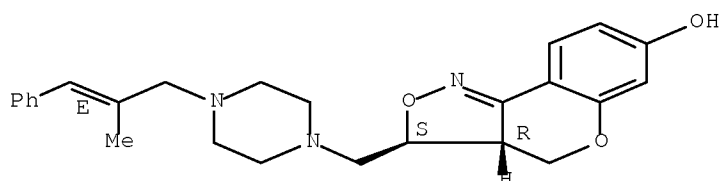
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-33-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

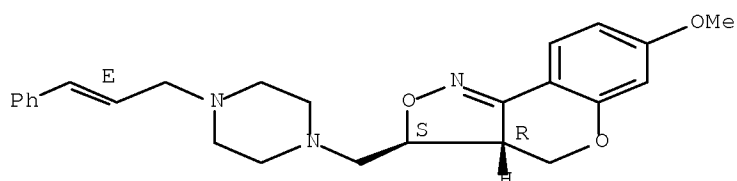
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-35-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

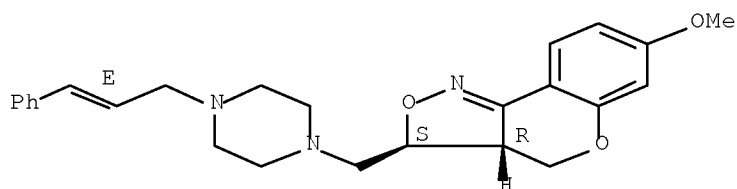
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-37-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.

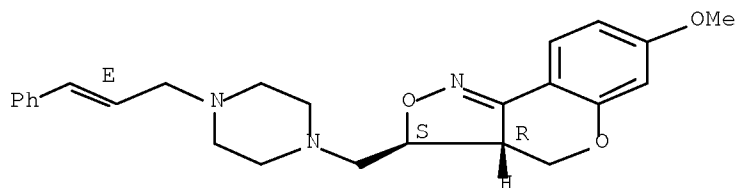


●2 HCl

RN 452319-39-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.

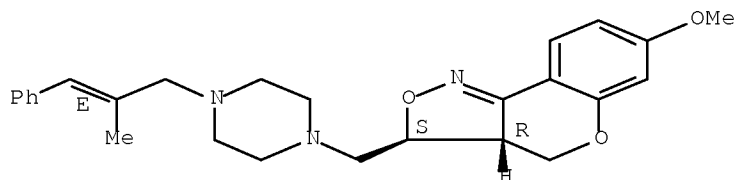


●2 HCl

RN 452319-41-4 CAPLUS

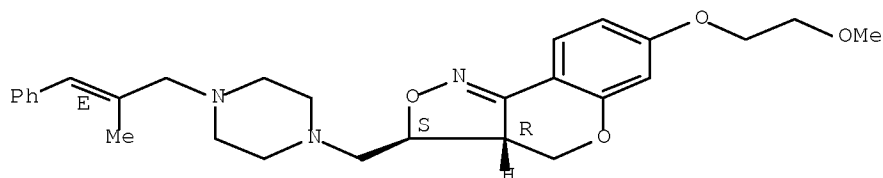
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452319-43-6 CAPLUS
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-(2-methoxyethoxy)-3-[[4-
 [(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-
 (9CI) (CA INDEX NAME)

Relative stereochemistry.
 Double bond geometry as shown.



IT 452319-45-8P 452319-47-0P 452319-49-2P
 452319-51-6P 452319-53-8P 452319-55-0P
 452319-57-2P 452319-59-4P 452319-61-8P
 452319-63-0P 452319-65-2P 452319-67-4P
 452319-69-6P 452319-71-0P 452319-73-2P
 452319-75-4P 452319-77-6P 452319-78-7P
 452319-80-1P 452319-81-2P 452319-83-4P
 452319-85-6P 452319-87-8P 452319-89-0P
 452319-91-4P 452319-93-6P 452319-95-8P
 452319-97-0P 452319-99-2P 452320-01-3P
 452320-03-5P 452320-06-8P 452320-07-9P
 452320-09-1P 452320-11-5P 452320-13-7P
 452320-15-9P 452320-17-1P 452320-19-3P
 452320-21-7P 452320-23-9P 452320-25-1P
 452320-27-3P 452320-29-5P 452320-31-9P
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 452321-55-0P 452321-61-8P 452934-93-9P
 452934-94-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)

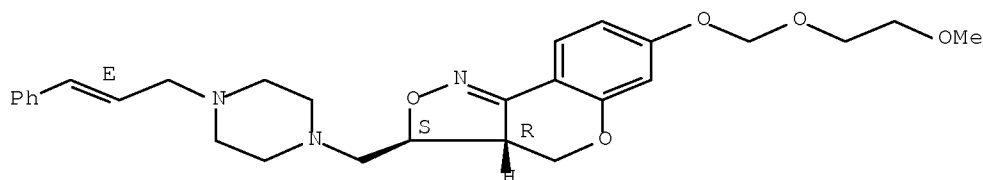
(target compound; preparation and pharmaceutical activity of substituted
 isoxazolines as anti-depressants)

RN 452319-45-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-[(2-methoxyethoxy)methoxy]-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

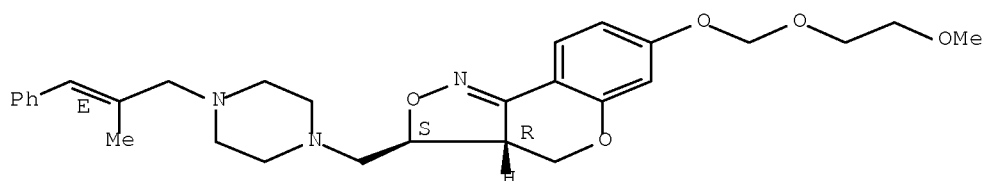


RN 452319-47-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-[(2-methoxyethoxy)methoxy]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

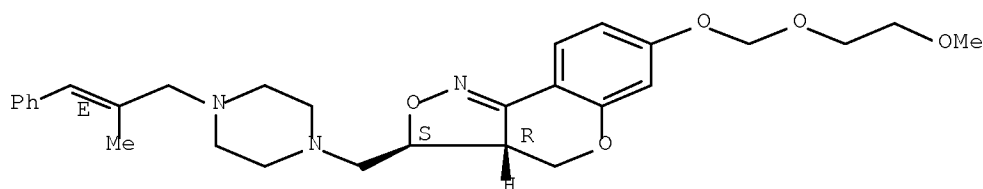


RN 452319-49-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-[(2-methoxyethoxy)methoxy]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



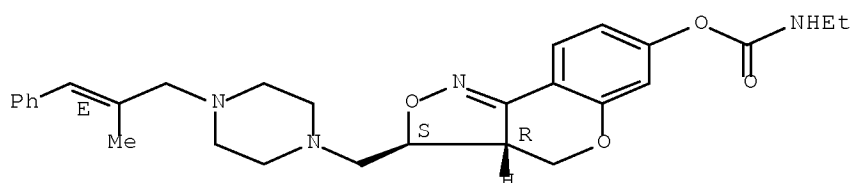
●2 HCl

RN 452319-51-6 CAPLUS

CN Carbamic acid, ethyl-, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl

ester, rel- (9CI) (CA INDEX NAME)

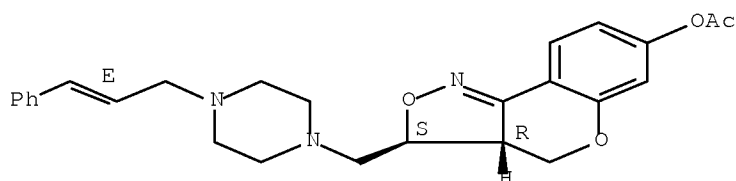
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-53-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

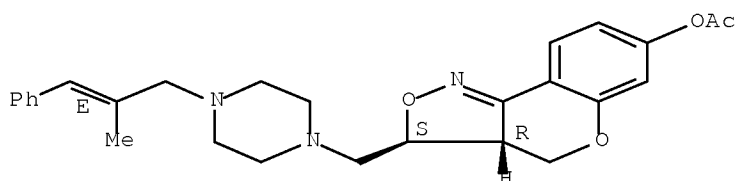
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-55-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

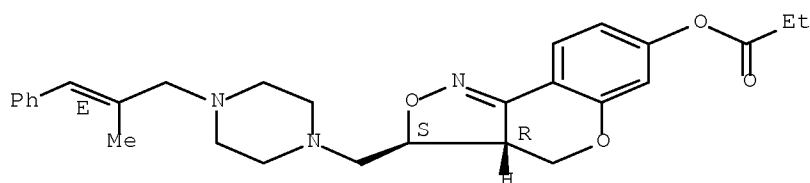
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-57-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, propanoate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

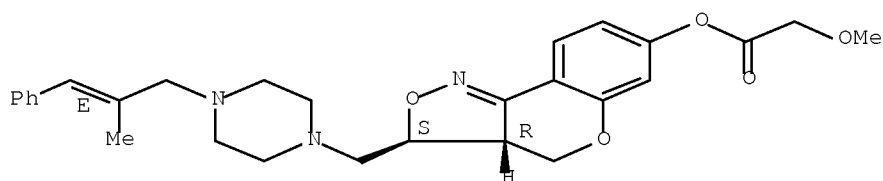
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-59-4 CAPLUS

CN Acetic acid, methoxy-, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

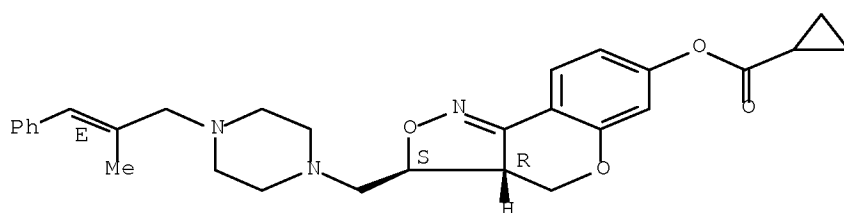
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-61-8 CAPLUS

CN Cyclopropanecarboxylic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

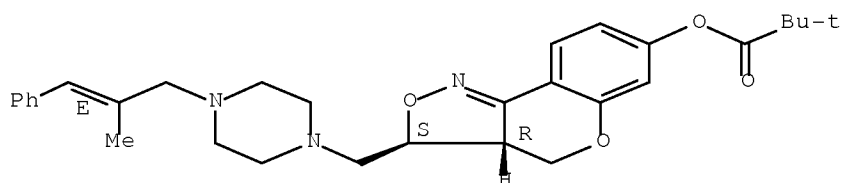
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-63-0 CAPLUS

CN Propanoic acid, 2,2-dimethyl-, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

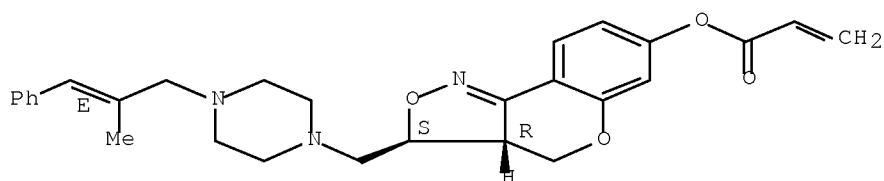
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-65-2 CAPLUS

CN 2-Propenoic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

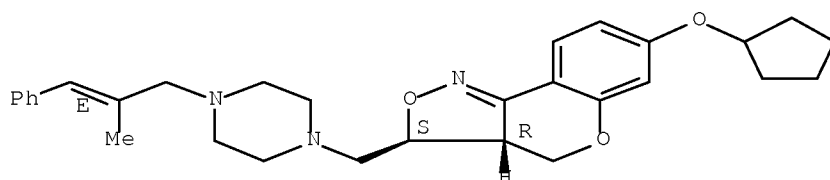
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-67-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(cyclopentyloxy)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

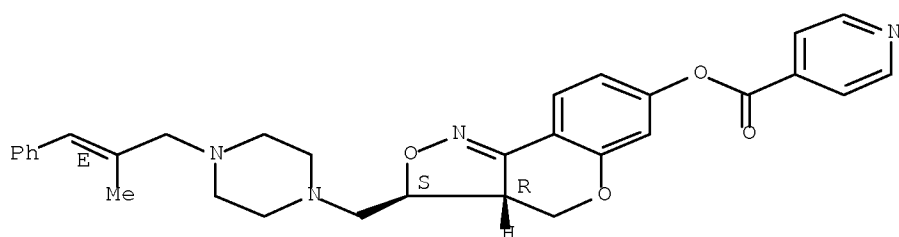
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-69-6 CAPLUS

CN 4-Pyridinecarboxylic acid, (3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

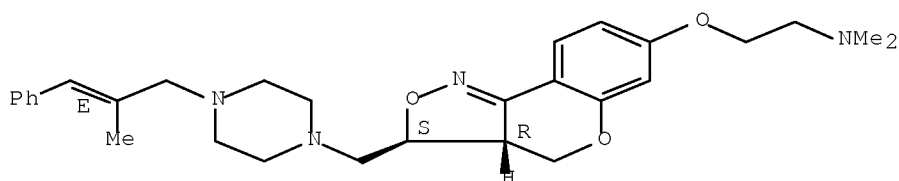
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-71-0 CAPLUS

CN Ethanamine, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]oxy]-N,N-dimethyl-, rel- (9CI) (CA INDEX NAME)

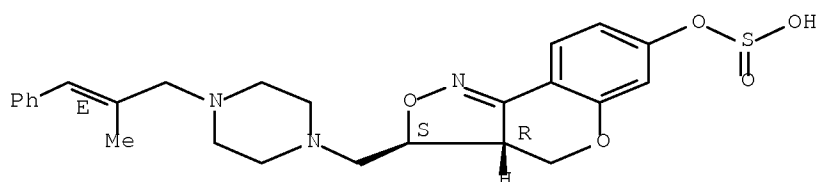
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-73-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, hydrogen sulfite (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

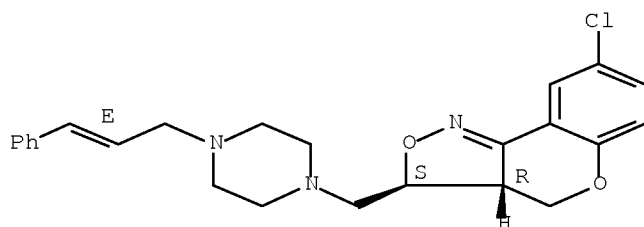
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-75-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-chloro-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

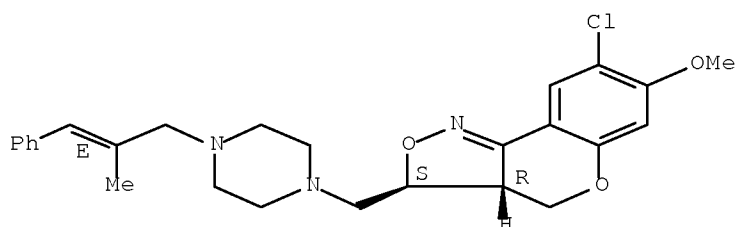
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-77-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-chloro-3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

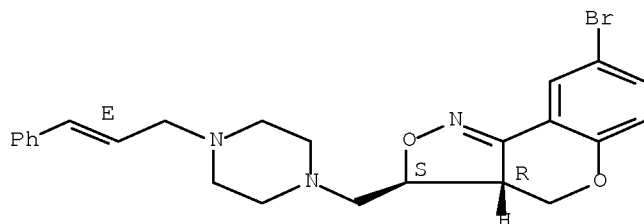
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-78-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-bromo-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

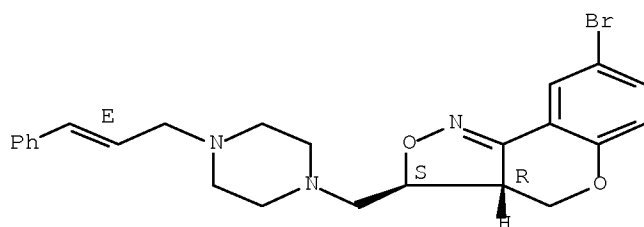
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-80-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-bromo-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)

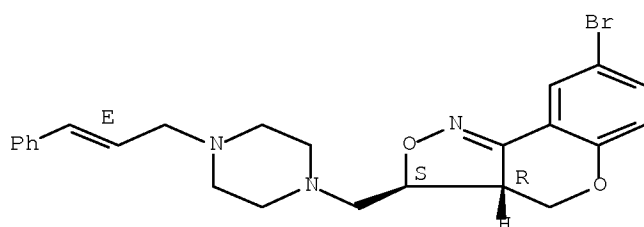
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452319-81-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-bromo-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)

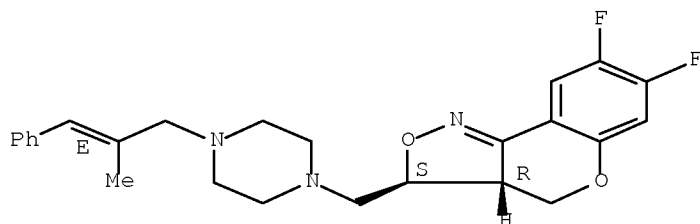
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452319-83-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7,8-difluoro-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

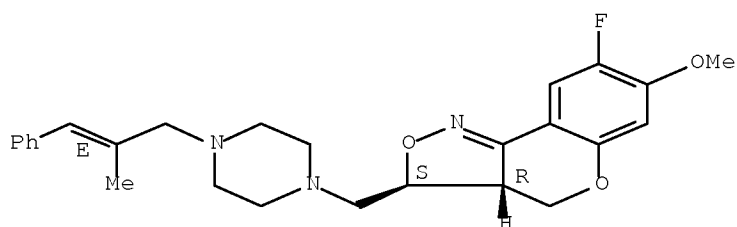
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-85-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-fluoro-3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

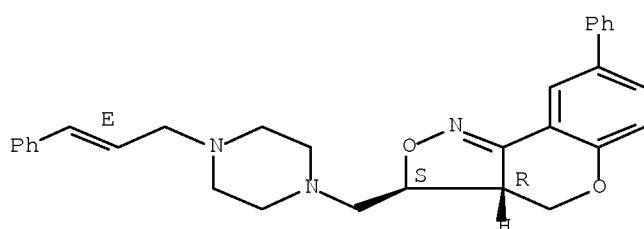
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-87-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-phenyl-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

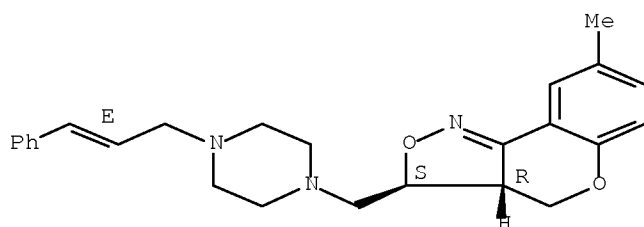
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-89-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methyl-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

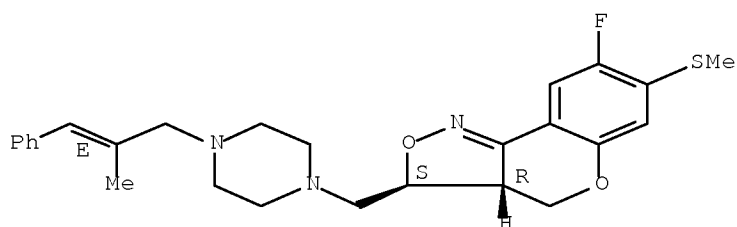
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-91-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 8-fluoro-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(methylthio)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

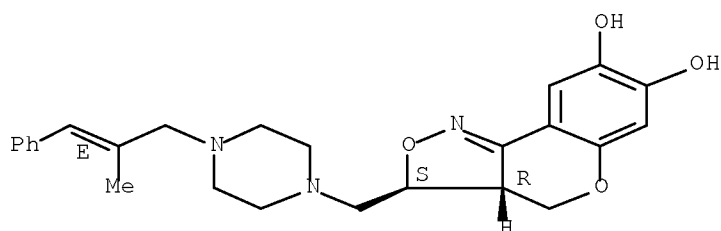
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-93-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7,8-diol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

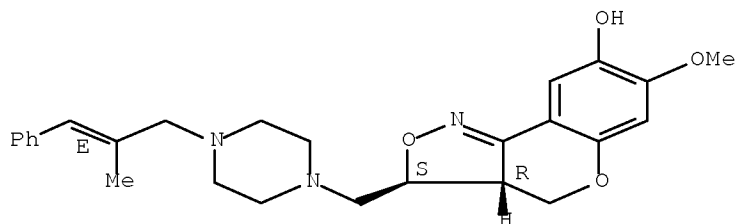


● 2 HCl

RN 452319-95-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-8-ol, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

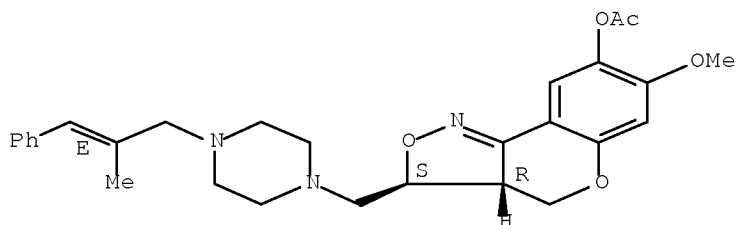
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-97-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-8-ol, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

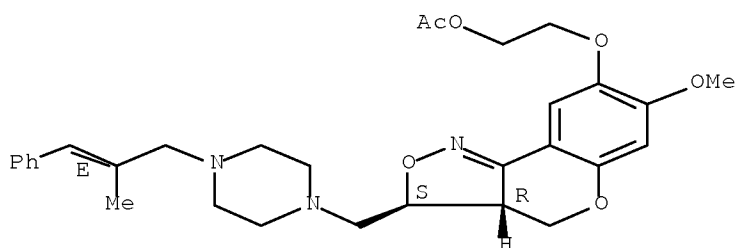
Relative stereochemistry.
Double bond geometry as shown.



RN 452319-99-2 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-8-yl]oxy]-, acetate (ester), rel- (9CI) (CA INDEX NAME)

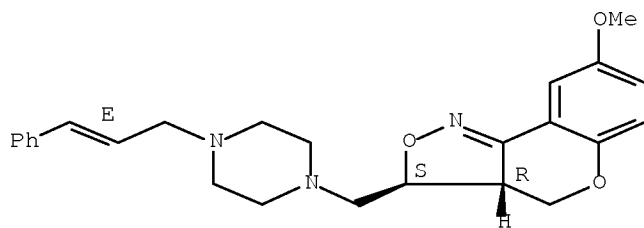
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-01-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

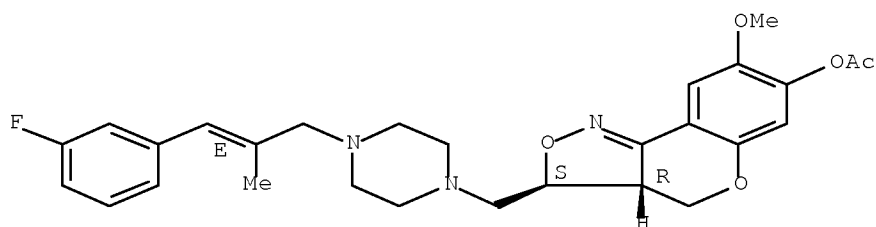
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-03-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

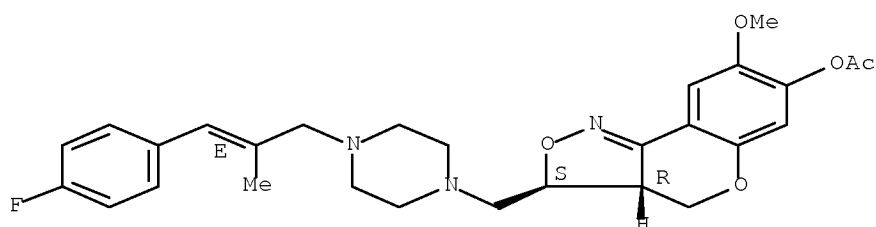
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-06-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

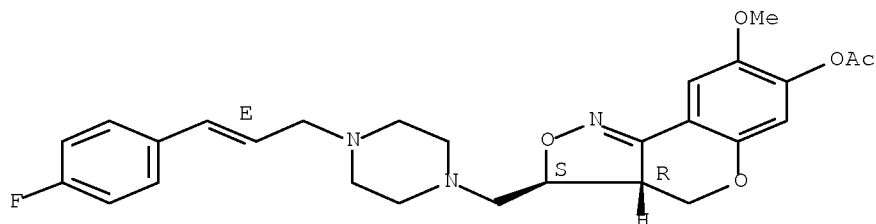
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-07-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, acetate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

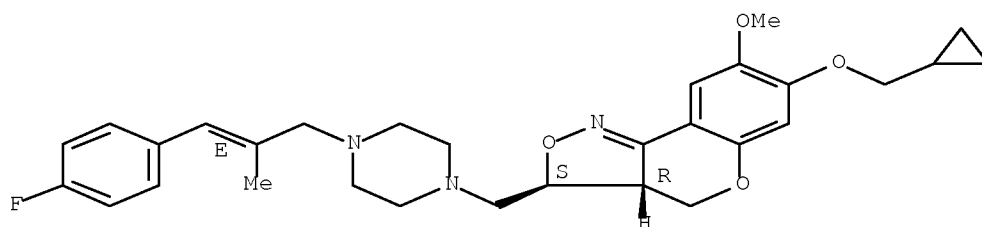
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-09-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(cyclopropylmethoxy)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-8-methoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

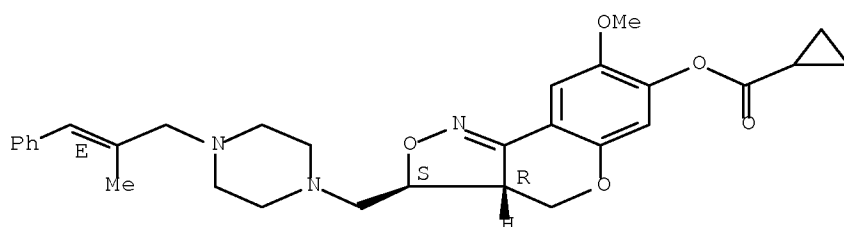
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-11-5 CAPLUS

CN Cyclopropanecarboxylic acid, (3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

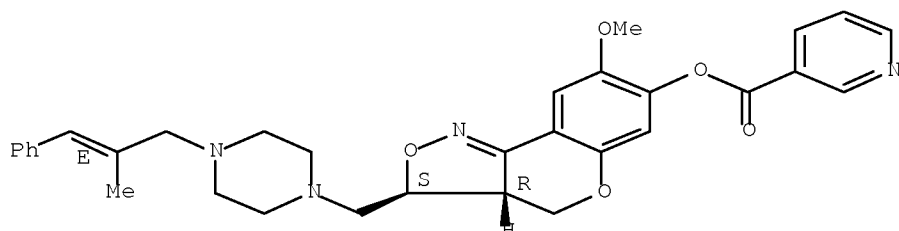
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-13-7 CAPLUS

CN 3-Pyridinecarboxylic acid, (3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

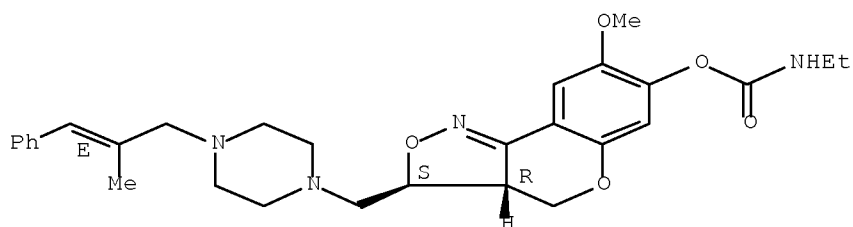
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-15-9 CAPLUS

CN Carbamic acid, ethyl-, (3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl ester, rel- (9CI) (CA INDEX NAME)

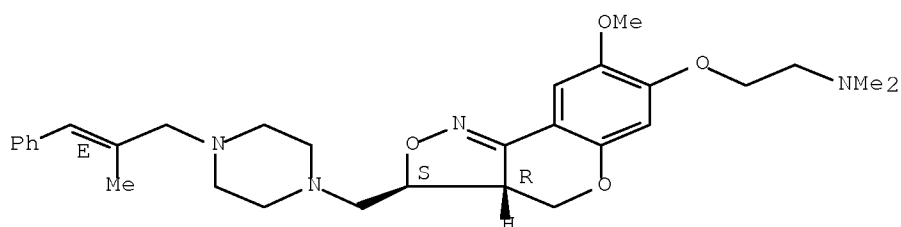
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-17-1 CAPLUS

CN Ethanamine, 2-[[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]oxy]-N,N-dimethyl-, rel- (9CI) (CA INDEX NAME)

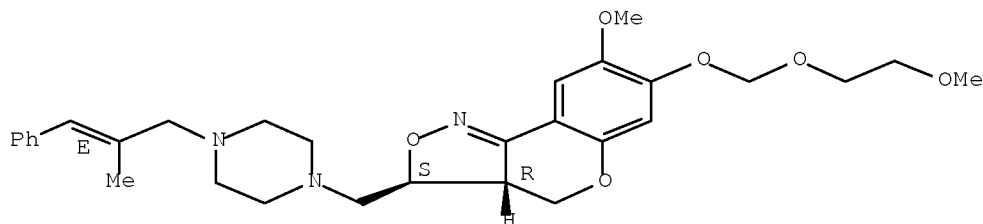
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-19-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-[(2-methoxyethoxy)methoxy]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

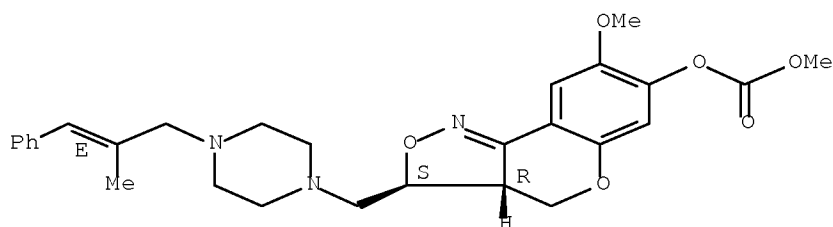
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-21-7 CAPLUS

CN Carbonic acid, (3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl methyl ester, rel- (9CI) (CA INDEX NAME)

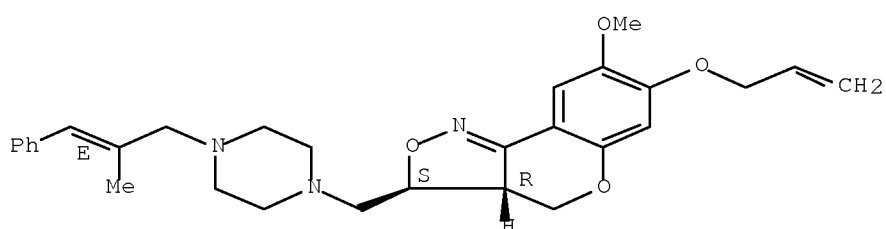
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-23-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(2-propenyloxy)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

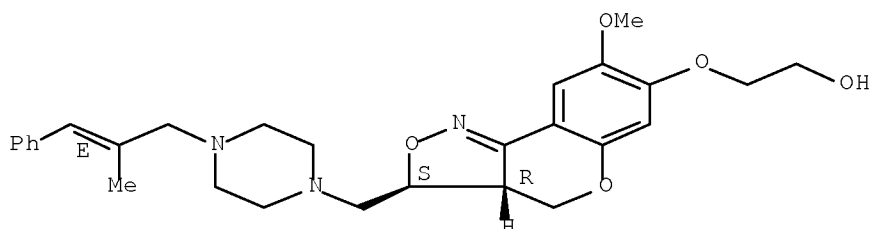
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-25-1 CAPLUS

CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]oxy]-, dihydrochloride, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

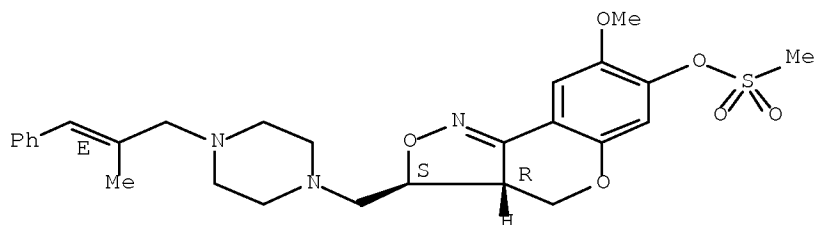


● 2 HCl

RN 452320-27-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, methanesulfonate (ester), (3R,3aS)-rel- (9CI) (CA INDEX NAME)

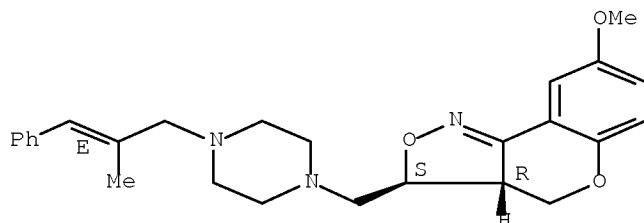
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-29-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

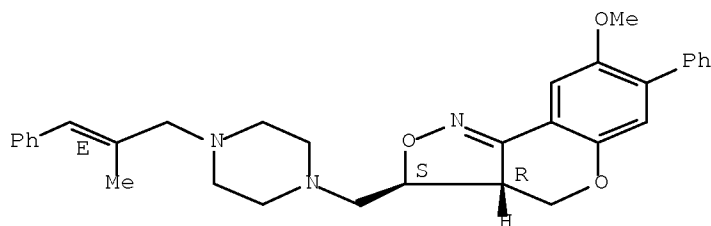
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-31-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-phenyl-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.



RN 452320-34-2 CAPLUS

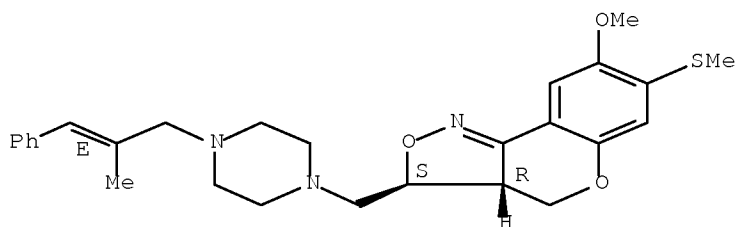
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(methylthio)-, (3R,3aS)-rel-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 452320-33-1

CMF C27 H33 N3 O3 S

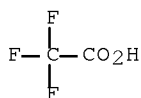
Relative stereochemistry.
Double bond geometry as shown.



CM 2

CRN 76-05-1

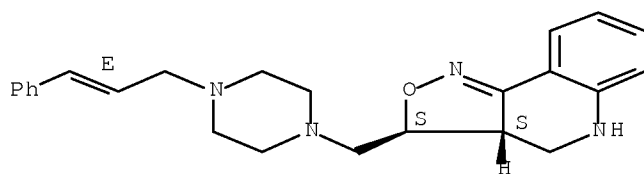
CMF C2 H F3 O2



RN 452320-36-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

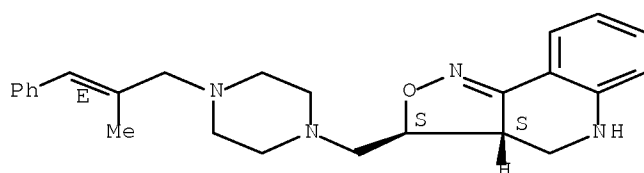
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-38-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

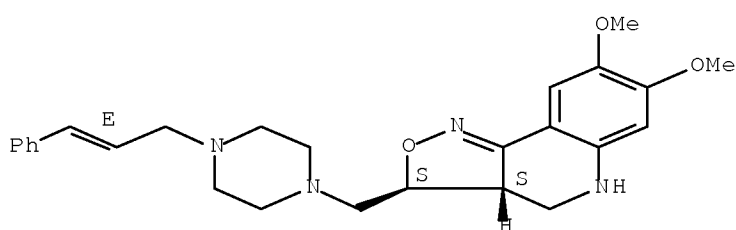
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-40-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

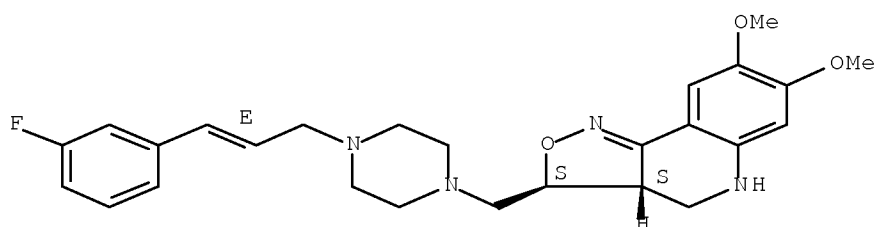
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-42-2 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

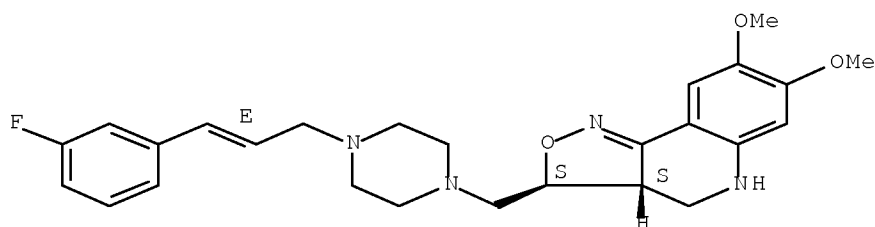
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-44-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel-(+)- (9CI) (CA INDEX NAME)

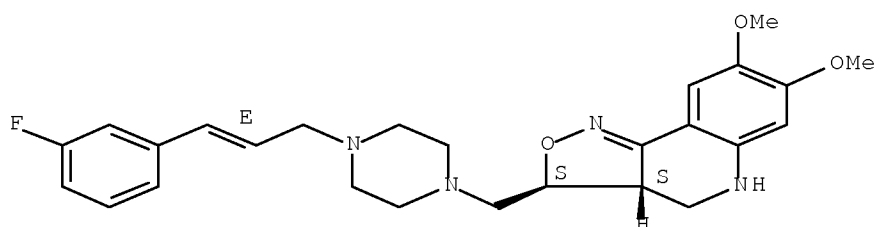
Rotation (+). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452320-46-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel-(-)-(9CI) (CA INDEX NAME)

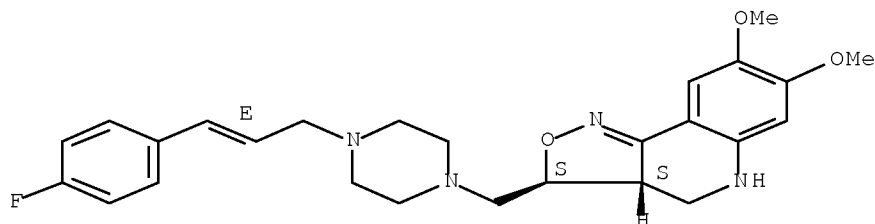
Rotation (-). Absolute stereochemistry unknown.
Double bond geometry as shown.



RN 452320-48-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-propenyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel-(9CI) (CA INDEX NAME)

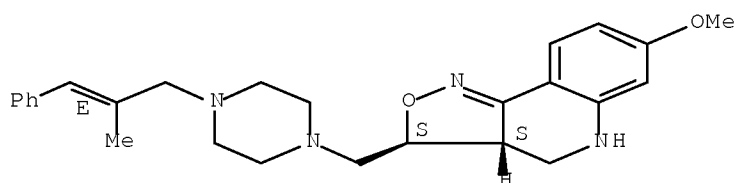
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-50-2 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

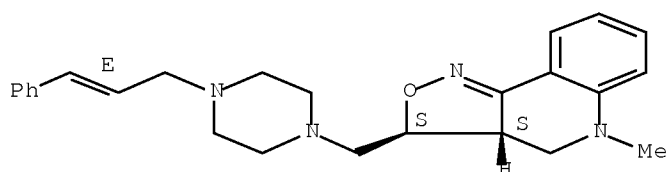
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-52-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-5-methyl-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

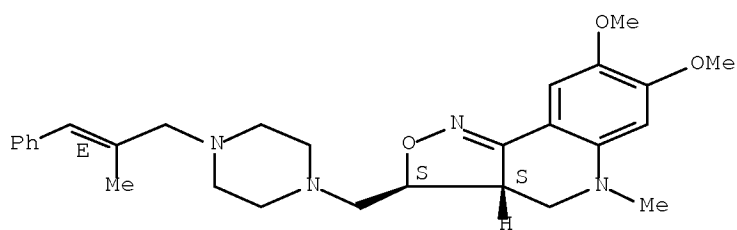
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-54-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-5-methyl-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

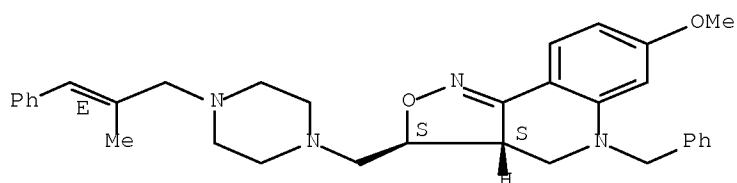
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-56-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-5-(phenylmethyl)-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

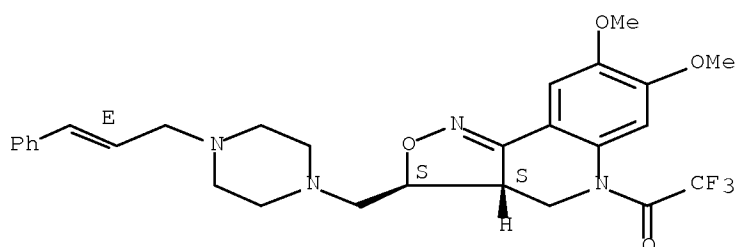
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-58-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-5-(trifluoroacetyl)-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

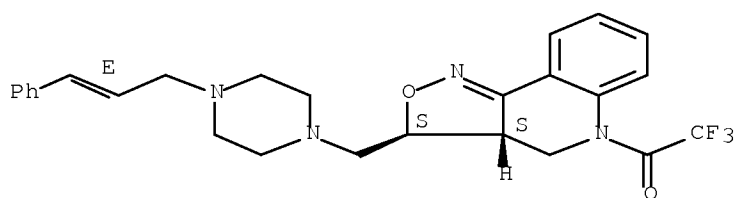
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-60-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-5-(trifluoroacetyl)-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

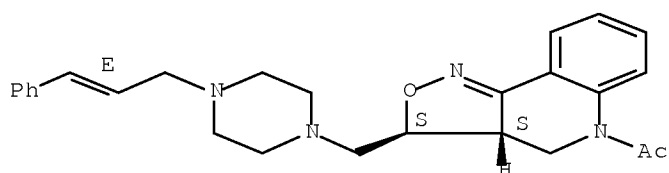
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-62-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 5-acetyl-3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

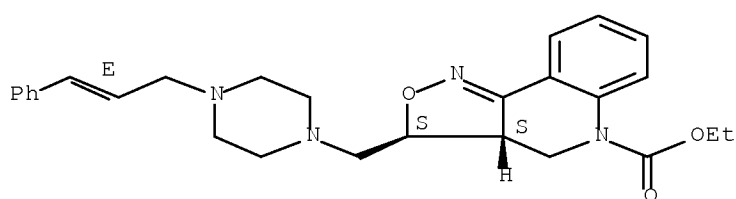
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-64-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline-5(3H)-carboxylic acid, 3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, ethyl ester, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

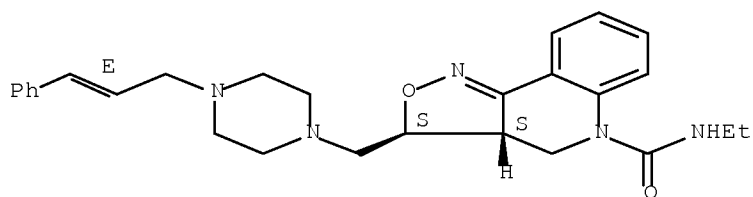
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-66-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline-5(3H)-carboxamide, N-ethyl-3a,4-dihydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

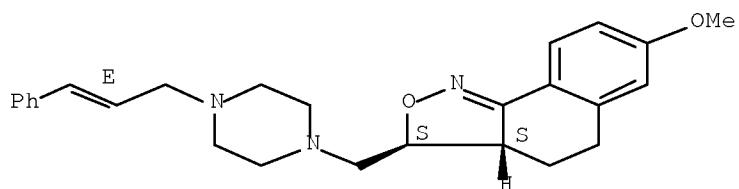
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-68-2 CAPLUS

CN Naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

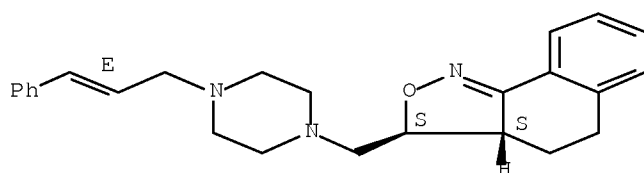


● 2 HCl

RN 452320-70-6 CAPLUS

CN Naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

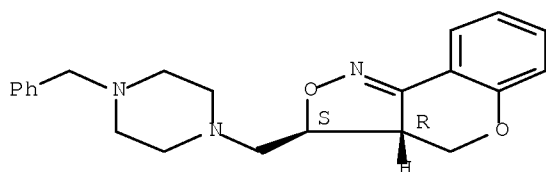
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-72-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(phenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

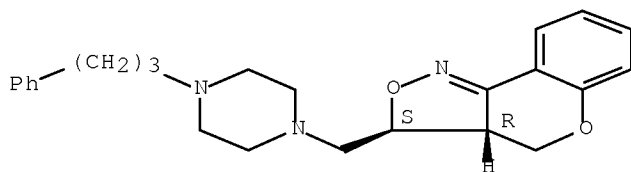
Relative stereochemistry.



RN 452320-74-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(3-phenylpropyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

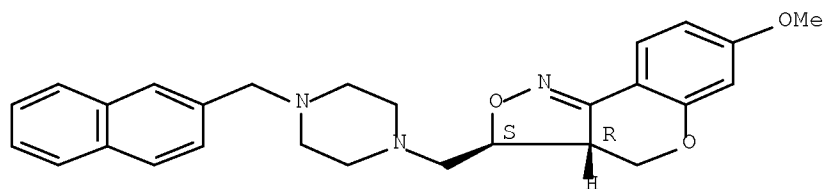
Relative stereochemistry.



RN 452320-76-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

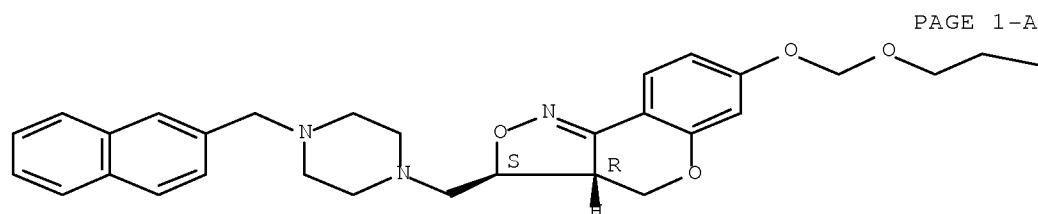


● 2 HCl

RN 452320-78-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-[(2-methoxyethoxy)methoxy]-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



PAGE 1-A

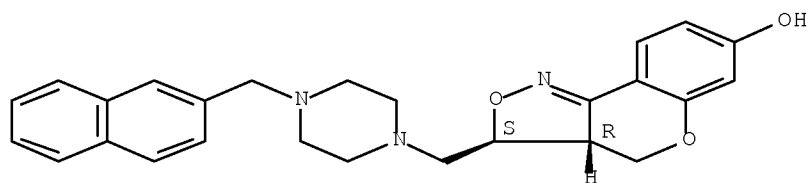
PAGE 1-B

— OMe

RN 452320-80-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)

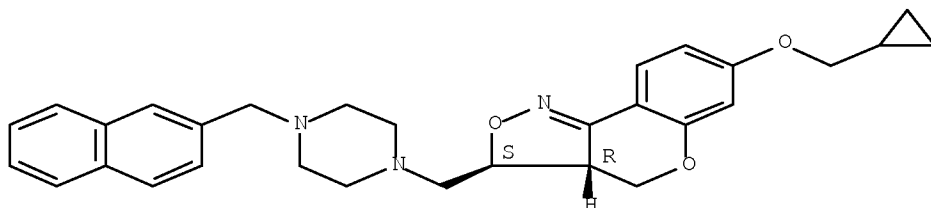
Relative stereochemistry.



RN 452320-82-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(cyclopropylmethoxy)-3a,4-dihydro-3-
[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA
INDEX NAME)

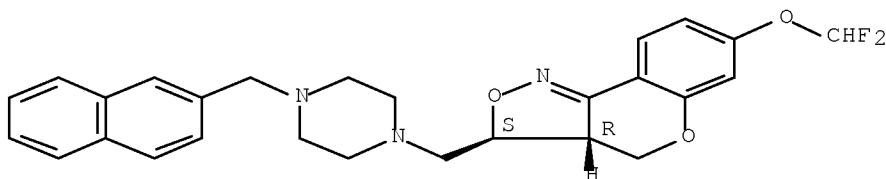
Relative stereochemistry.



RN 452320-84-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 7-(difluoromethoxy)-3a,4-dihydro-3-[[4-
(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX
NAME)

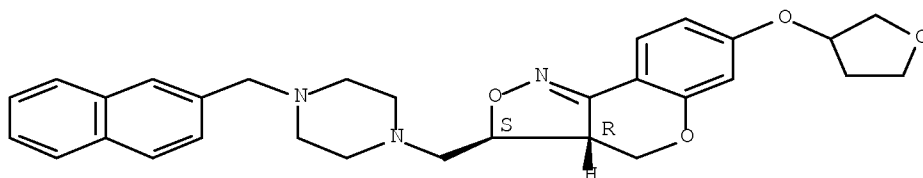
Relative stereochemistry.



RN 452320-86-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-3-[[4-(2-
naphthalenylmethyl)-1-piperazinyl]methyl]-7-[(tetrahydro-3-furanyl)oxy]-,
(3R,3aS)-rel- (CA INDEX NAME)

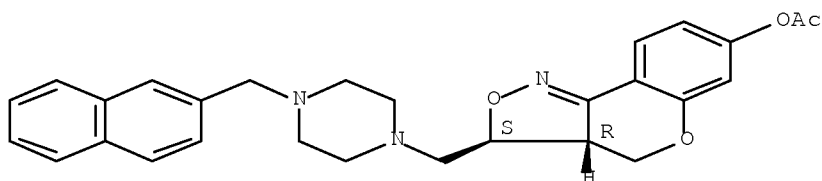
Relative stereochemistry.



RN 452320-88-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-3-[[4-(2-
naphthalenylmethyl)-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel-
(9CI) (CA INDEX NAME)

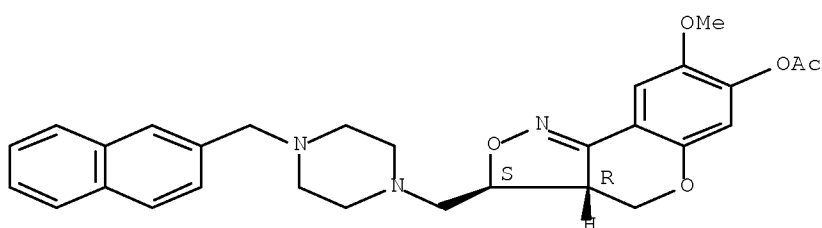
Relative stereochemistry.



RN 452320-90-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-8-methoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

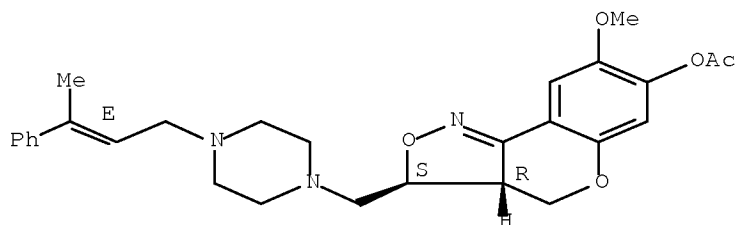


RN 452320-92-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazol-7-ol, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, acetate (ester), (3R,3aS)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.

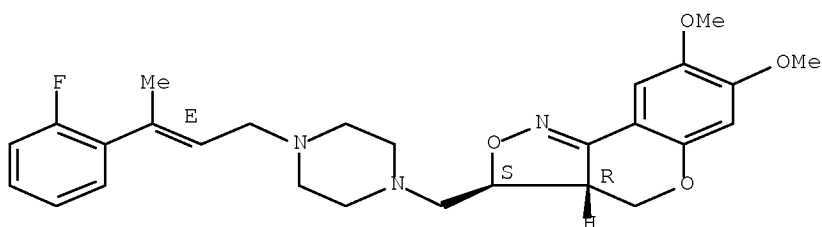


RN 452320-94-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-fluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

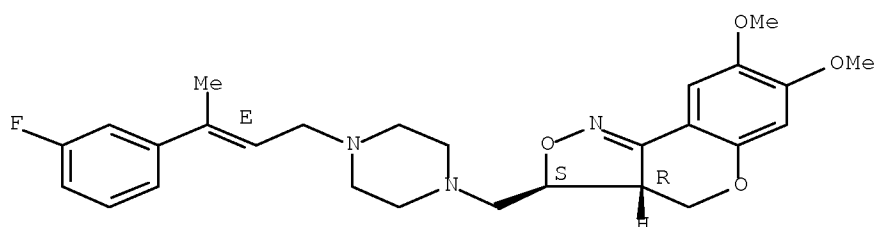
Double bond geometry as shown.



RN 452320-96-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-fluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

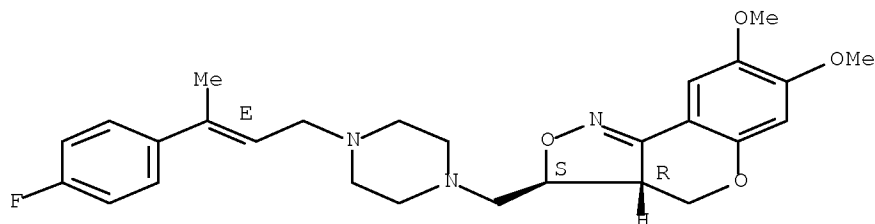
Relative stereochemistry.
Double bond geometry as shown.



RN 452320-98-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

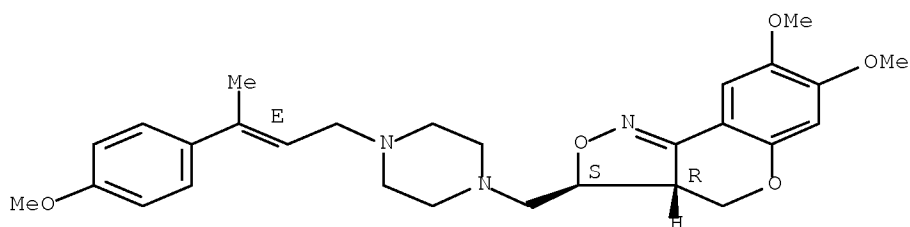
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-00-5 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(4-methoxyphenyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

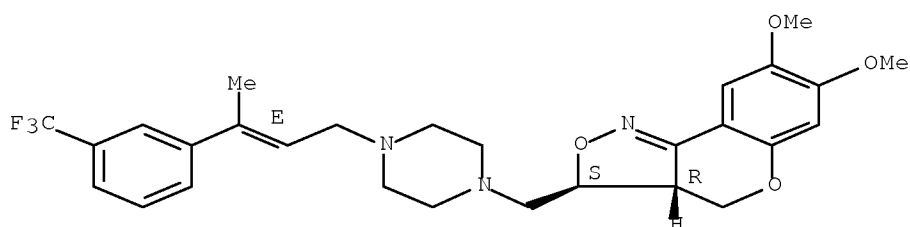
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-02-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-[3-(trifluoromethyl)phenyl]-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

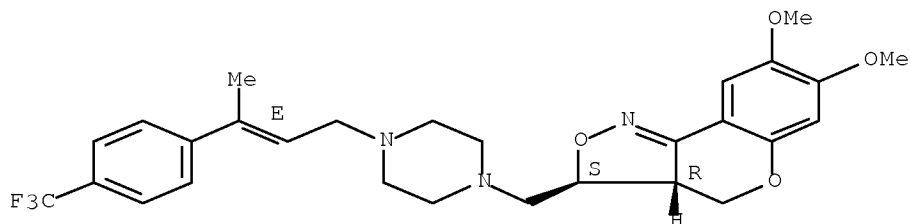
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-04-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-[4-(trifluoromethyl)phenyl]-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

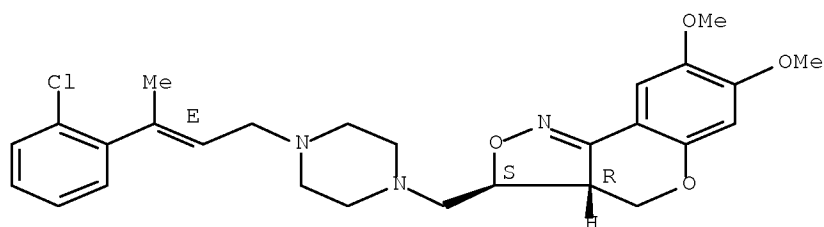
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-06-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-chlorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

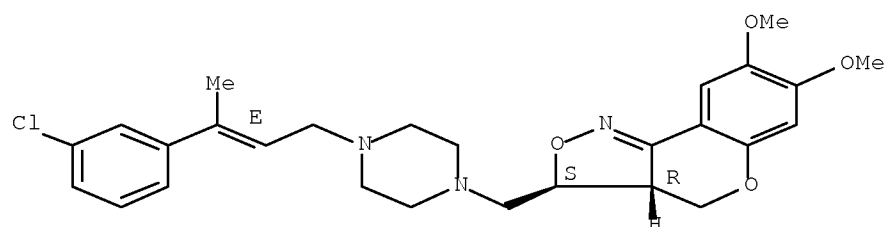
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-08-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3-chlorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

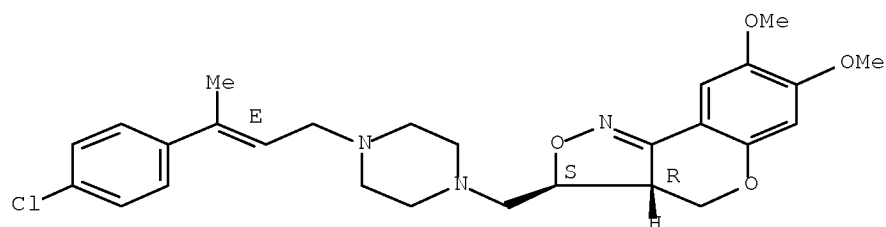
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-10-7 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-chlorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

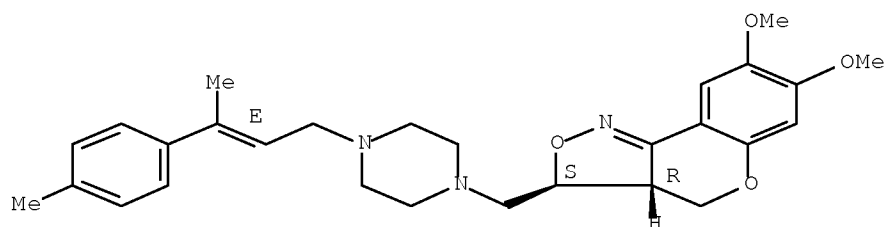
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-12-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(4-methylphenyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

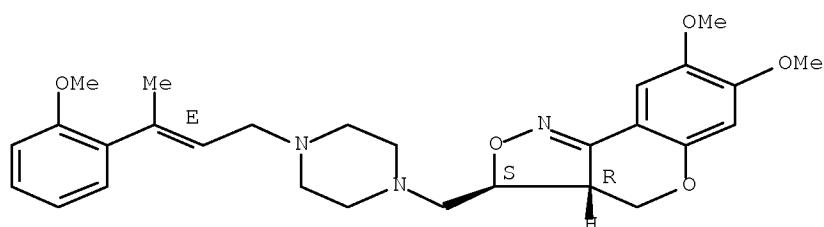
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-14-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-methoxyphenyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

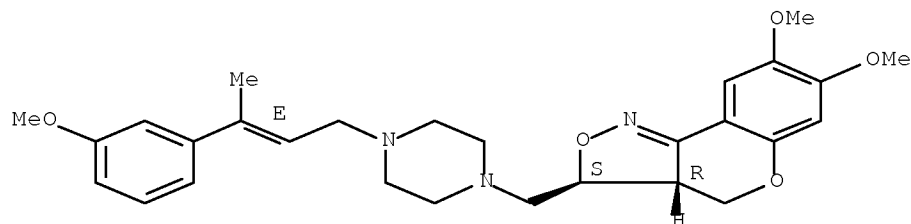
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-16-3 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-methoxyphenyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

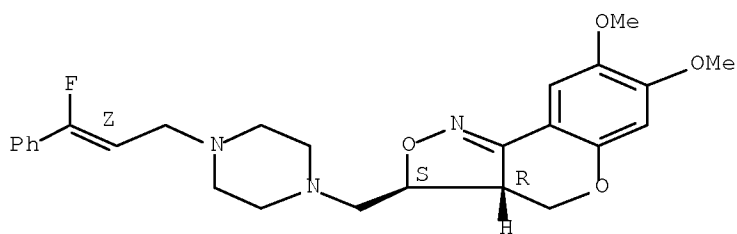
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-19-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-fluoro-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, dihydrochloride, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

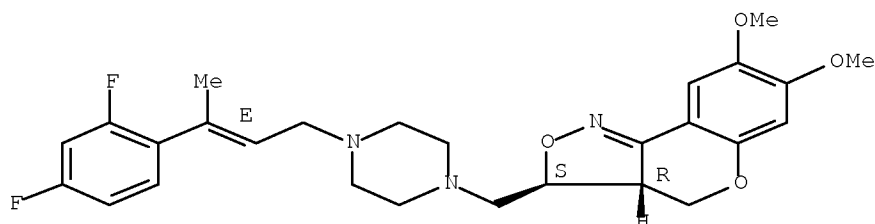


● 2 HCl

RN 452321-21-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2,4-difluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

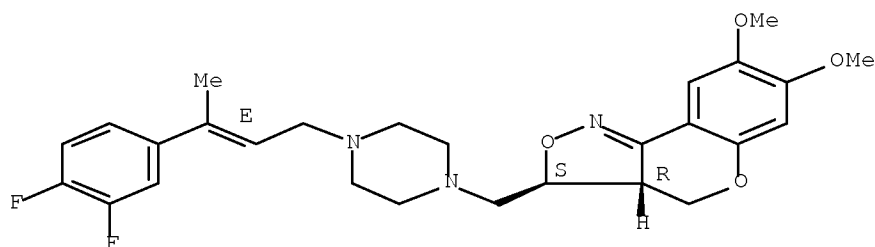
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-23-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(3,4-difluorophenyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

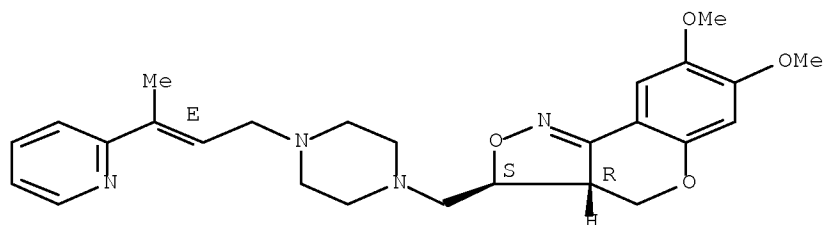
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-25-4 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-pyridinyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

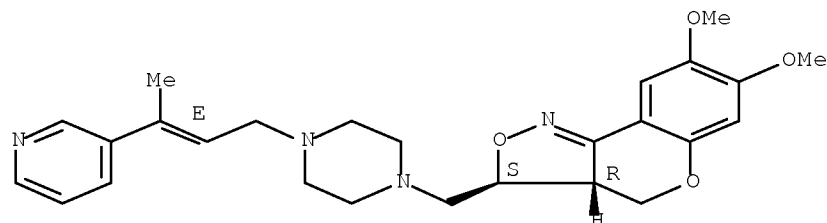
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-27-6 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-pyridinyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
(CA INDEX NAME)

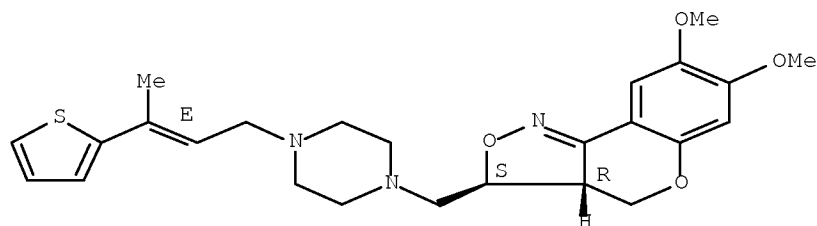
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-29-8 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(2-thienyl)-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

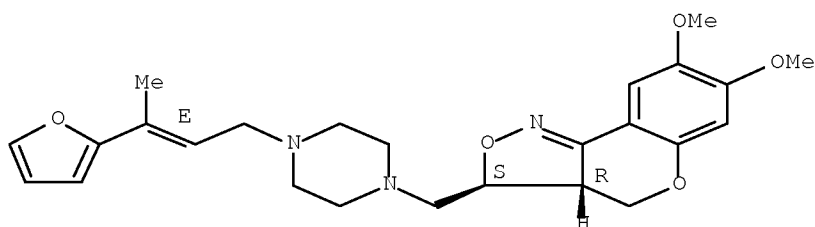
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-31-2 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(2-furanyl)-2-butenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)

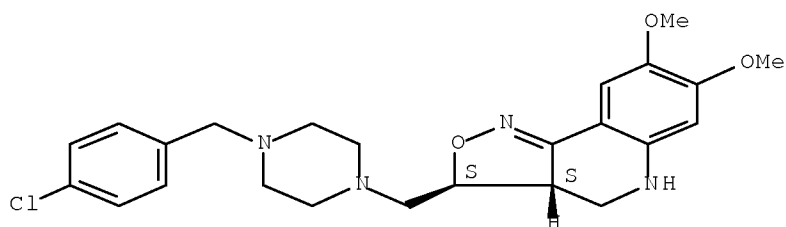
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-33-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(4-chlorophenyl)methyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (CA INDEX NAME)

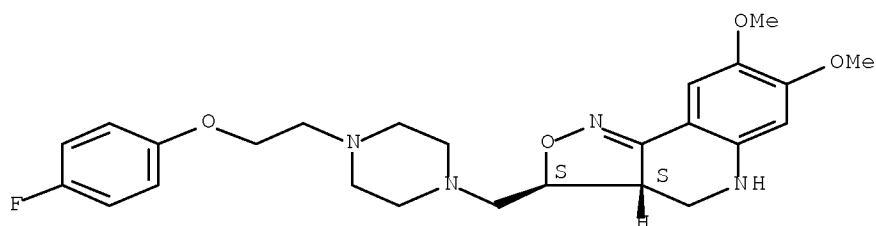
Relative stereochemistry.



RN 452321-35-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[2-(4-fluorophenoxy)ethyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

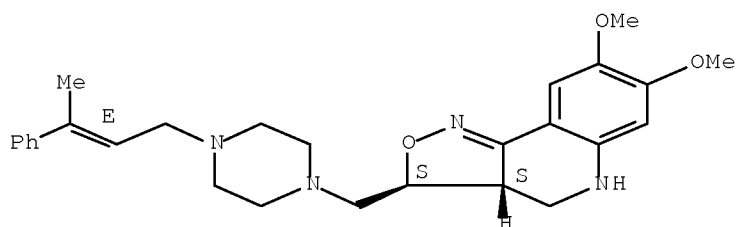


RN 452321-37-8 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[(2E)-3-phenyl-2-butenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

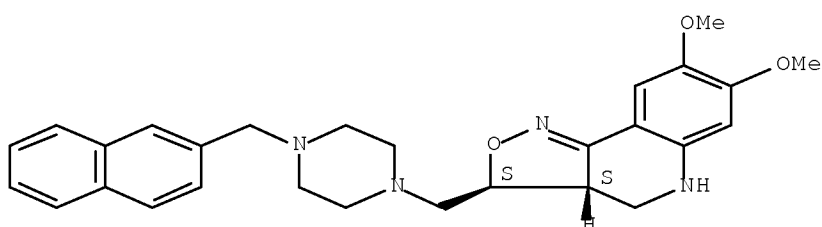
Double bond geometry as shown.



RN 452321-39-0 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

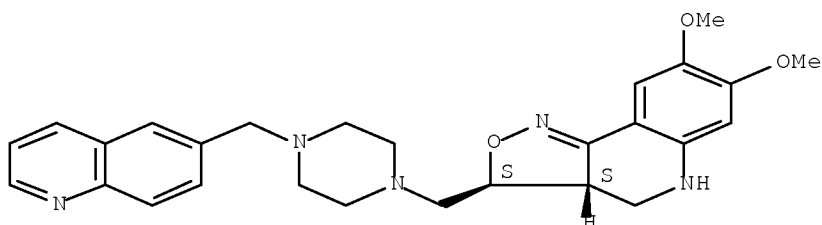
Relative stereochemistry.



RN 452321-41-4 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-(6-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

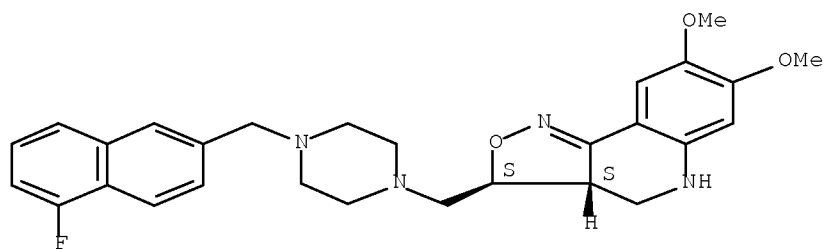
Relative stereochemistry.



RN 452321-43-6 CAPLUS

CN Isoxazolo[4,3-c]quinoline, 3-[[4-[(5-fluoro-2-naphthalenyl)methyl]-1-piperazinyl]methyl]-3,3a,4,5-tetrahydro-7,8-dimethoxy-, (3R,3aR)-rel- (CA INDEX NAME)

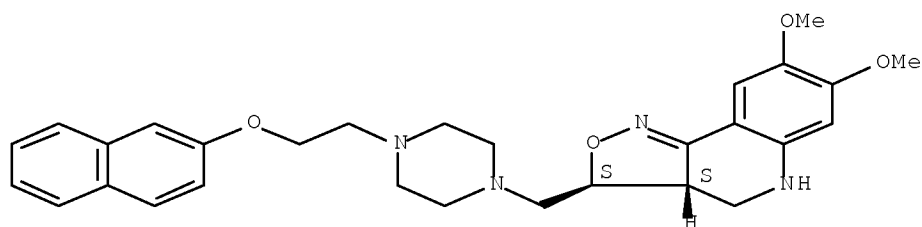
Relative stereochemistry.



RN 452321-45-8 CAPLUS

CN Isioxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-7,8-dimethoxy-3-[[4-[2-(2-naphthalenyloxy)ethyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

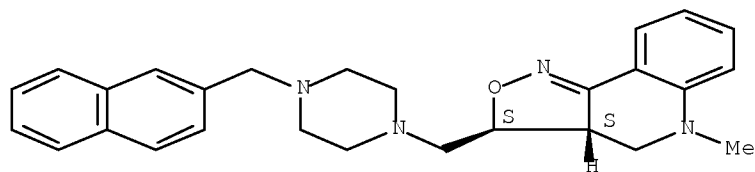
Relative stereochemistry.



RN 452321-47-0 CAPLUS

CN Isioxazolo[4,3-c]quinoline, 3,3a,4,5-tetrahydro-5-methyl-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)

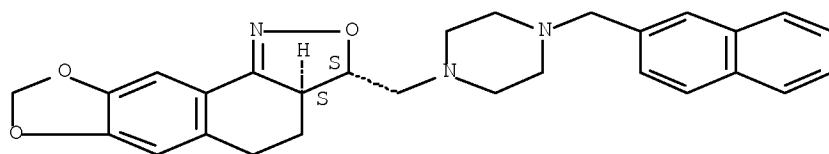
Relative stereochemistry.



RN 452321-49-2 CAPLUS

CN [1,3]Dioxolo[6,7]naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

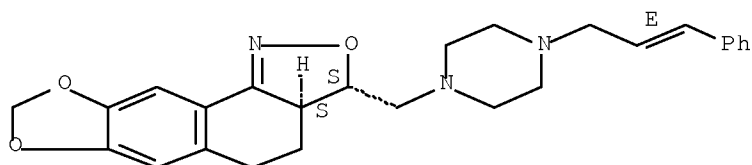


●2 HCl

RN 452321-51-6 CAPLUS

CN [1,3]Dioxolo[6,7]naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, dihydrochloride, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.
Double bond geometry as shown.

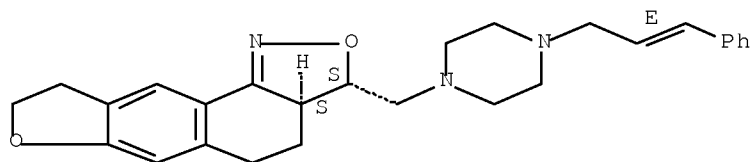


●2 HCl

RN 452321-53-8 CAPLUS

CN Furo[2',3':6,7]naphth[1,2-c]isoxazole, 3,3a,4,5,8,9-hexahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)

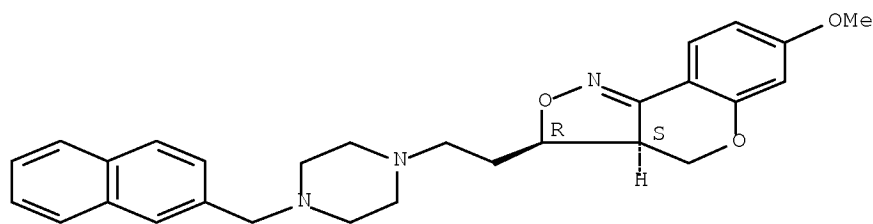
Relative stereochemistry.
Double bond geometry as shown.



RN 452321-55-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[2-[4-(2-naphthalenylmethyl)-1-piperazinyl]ethyl]-, (3R,3aS)-rel- (CA INDEX NAME)

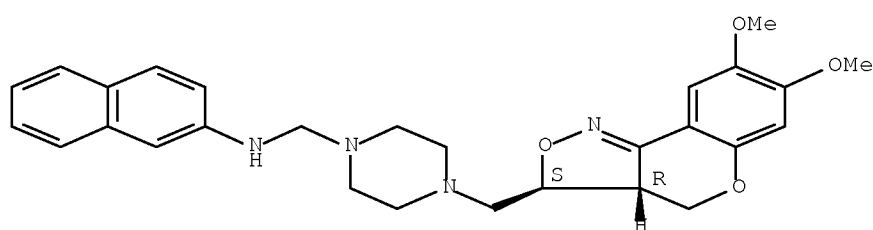
Relative stereochemistry.



RN 452321-61-8 CAPLUS

CN 1-Piperazinemethanamine, 4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-N-2-naphthalenyl-, rel- (CA INDEX NAME)

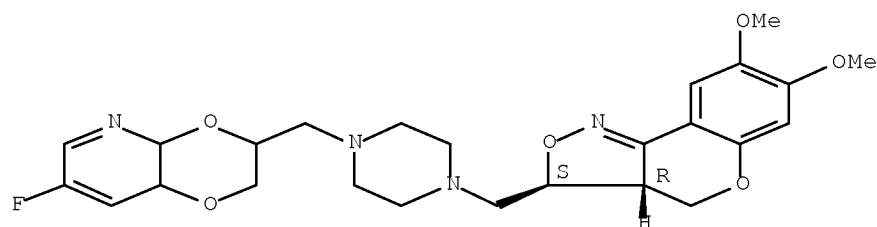
Relative stereochemistry.



RN 452934-93-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(7-fluoro-2,3,4a,8a-tetrahydro-1,4-dioxino[2,3-b]pyridin-3-yl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

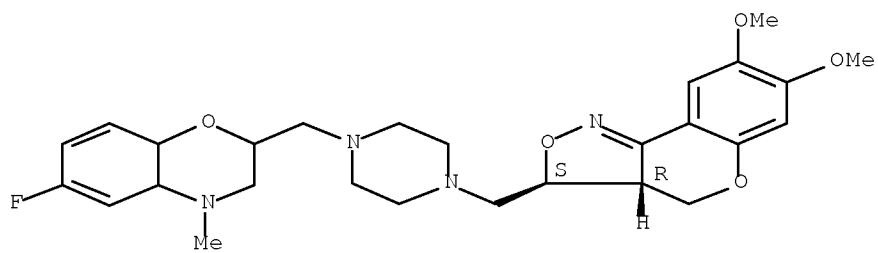
Relative stereochemistry.



RN 452934-94-0 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(6-fluoro-3,4,4a,8a-tetrahydro-4-methyl-2H-1,4-benzoxazin-2-yl)methyl]-1-piperazinyl)methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

STRUCTURE SEARCH

=> fil reg; d stat que 112

FILE 'REGISTRY' ENTERED AT 12:24:29 ON 14 JAN 2008

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STRUCTURE FILE UPDATES: 13 JAN 2008 HIGHEST RN 960495-31-2

DICTIONARY FILE UPDATES: 13 JAN 2008 HIGHEST RN 960495-31-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

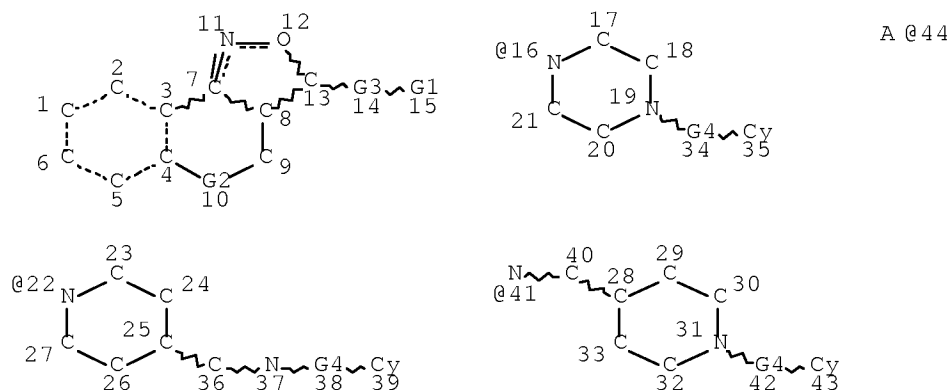
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

L9

STR



VAR G1=16/22/41

VAR G2=CH2/N/S/O

REP G3=(1-4) CH2

REP G4=(1-6) 44

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 35 39 43 44

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 44

STEREO ATTRIBUTES: NONE

L12 614 SEA FILE=REGISTRY SSS FUL L9

100.0% PROCESSED 937 ITERATIONS

614 ANSWERS

SEARCH TIME: 00.00.01

=> d que nos 120

L9 STR

L12 614 SEA FILE=REGISTRY SSS FUL L9

L20 33 SEA FILE=REGISTRY ABB=ON L12 NOT CAPLUS/LC

THESE 33 COMPOUNDS DO NOT HAVE REFERENCES. THEY ONLY HAVE REGISTRY RECORDS.
THE ED FIELD SHOWS THE DATE OF PUBLIC AVAILABILITY FOR THE REGISTRY RECORD.

=> d ide 120

L20 ANSWER 1 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN

RN 792906-02-6 REGISTRY

ED Entered STN: 06 Dec 2004

CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-methanol, 3a,4-dihydro-8-methoxy-3-[[4-
[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-
(9CI) (CA INDEX NAME)

FS STEREOSEARCH

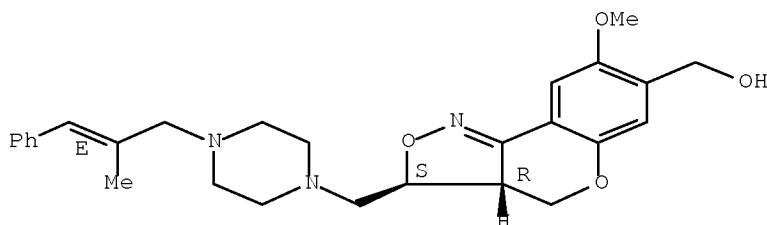
MF C27 H33 N3 O4

CI COM

SR CA

Relative stereochemistry.

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d ide 120 2-33

L20 ANSWER 2 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN

RN 792181-47-6 REGISTRY

ED Entered STN: 05 Dec 2004

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(4-fluorophenoxy)ethyl]-1-
piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX
NAME)

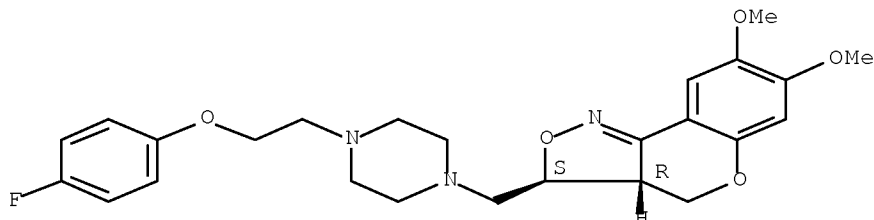
FS STEREOSEARCH

MF C25 H30 F N3 O5

CI COM

SR CA

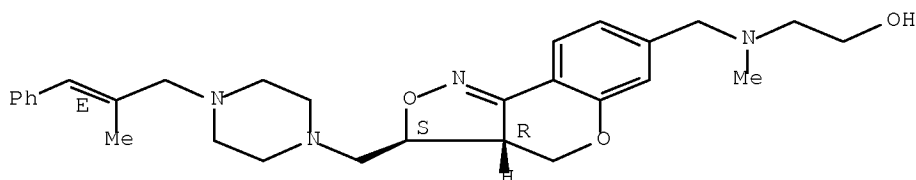
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 3 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 791061-56-8 REGISTRY
 ED Entered STN: 01 Dec 2004
 CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]methyl]methylamino]-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C29 H38 N4 O3
 CI COM
 SR CA

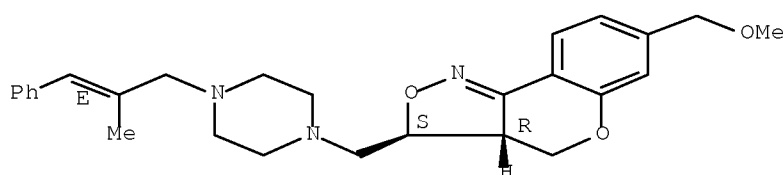
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 4 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 784138-61-0 REGISTRY
 ED Entered STN: 19 Nov 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-(methoxymethyl)-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H33 N3 O3
 CI COM
 SR CA

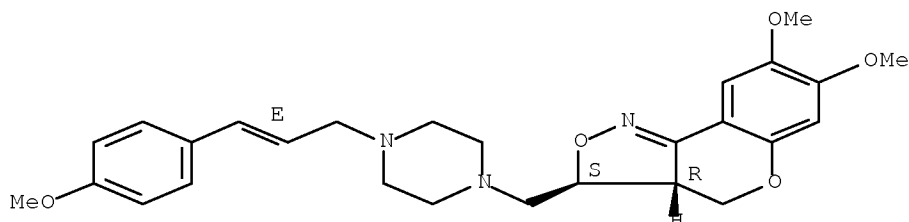
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 5 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 782443-81-6 REGISTRY
 ED Entered STN: 16 Nov 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(4-methoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H33 N3 O5
 CI COM
 SR CA

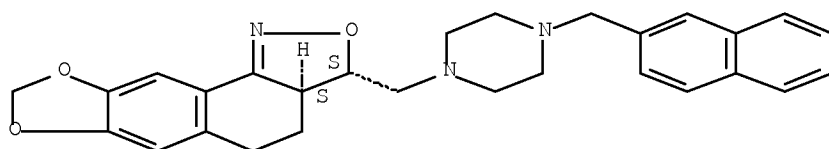
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 6 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 776288-62-1 REGISTRY
 ED Entered STN: 08 Nov 2004
 CN [1,3]Dioxolo[6,7]naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aR)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H29 N3 O3
 CI COM
 SR CA

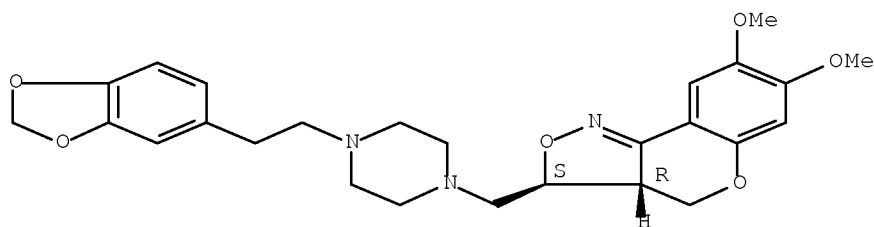
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 7 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 775278-99-4 REGISTRY
 ED Entered STN: 05 Nov 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[2-(1,3-benzodioxol-5-yl)ethyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H31 N3 O6
 CI COM
 SR CA

Relative stereochemistry.

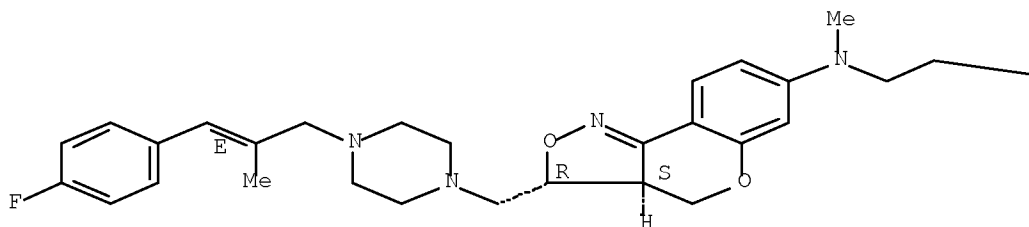


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 8 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 771473-65-5 REGISTRY
 ED Entered STN: 28 Oct 2004
 CN 1,2-Ethanediamine, N,N-diethyl-N'--[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-methyl-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C32 H44 F N5 O2
 CI COM
 SR CA

Relative stereochemistry.
 Double bond geometry as shown.

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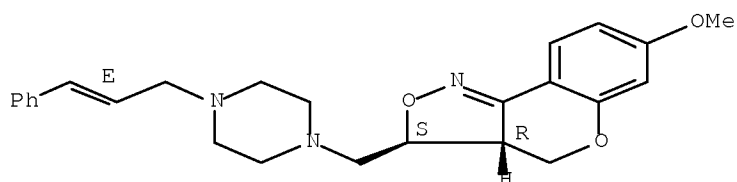
PAGE 1-B

—NEt₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 9 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 771469-76-2 REGISTRY
 ED Entered STN: 28 Oct 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(+)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H29 N3 O3
 CI COM
 SR CA

Rotation (+). Absolute stereochemistry unknown.
 Double bond geometry as shown.

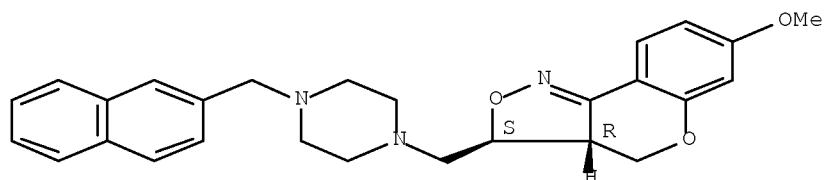


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 10 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 768354-12-7 REGISTRY
 ED Entered STN: 25 Oct 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-(2-naphthalenylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H29 N3 O3
 CI COM

SR CA

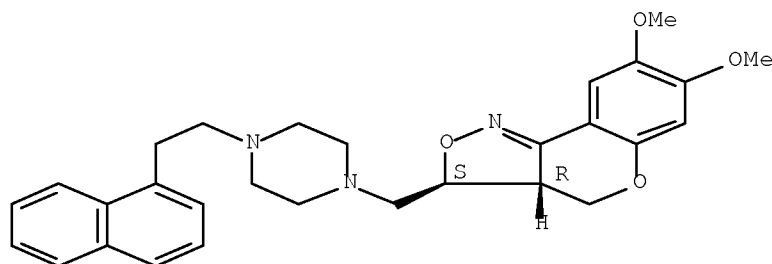
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 11 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 767281-23-2 REGISTRY
 ED Entered STN: 22 Oct 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(1-naphthalenyl)ethyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C29 H33 N3 O4
 CI COM
 SR CA

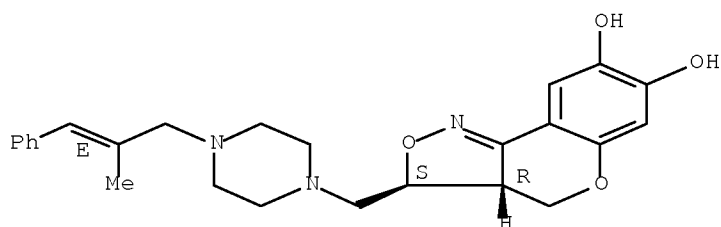
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 12 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 763077-36-7 REGISTRY
 ED Entered STN: 15 Oct 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7,8-diol, 3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
 (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H29 N3 O4
 CI COM
 SR CA

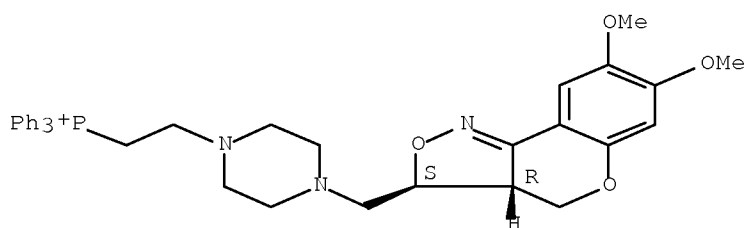
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 13 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 761394-91-6 REGISTRY
 ED Entered STN: 13 Oct 2004
 CN Phosphonium, [2-[4-[[(3R,3aS)-3a,4-dihydro-7,8-dimethoxy-3H-[1]benzopyrano[4,3-c]isoxazol-3-yl)methyl]-1-piperazinyl]ethyl]triphenyl-,
 rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C37 H41 N3 O4 P
 CI COM
 SR CA

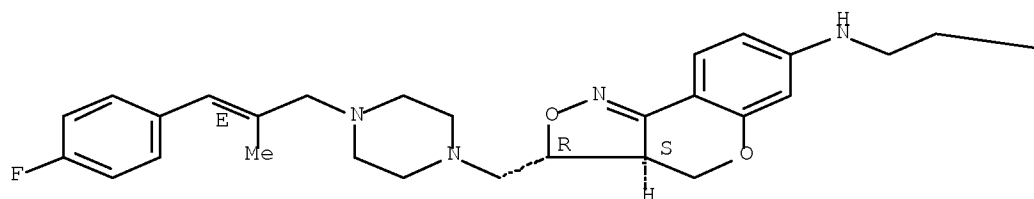
Relative stereochemistry.



L20 ANSWER 14 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 760171-48-0 REGISTRY
 ED Entered STN: 11 Oct 2004
 CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl)methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N'-methyl-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H36 F N5 O2
 CI COM
 SR CA

Relative stereochemistry.
 Double bond geometry as shown.

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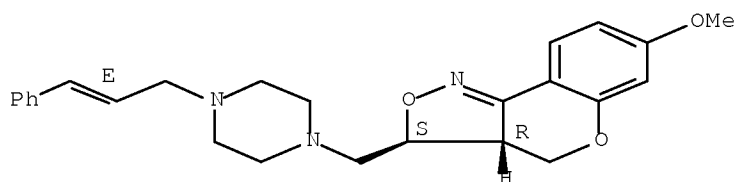
PAGE 1-B

—NHMe

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 15 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 756470-52-7 REGISTRY
 ED Entered STN: 04 Oct 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7-methoxy-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel-(-)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H29 N3 O3
 CI COM
 SR CA

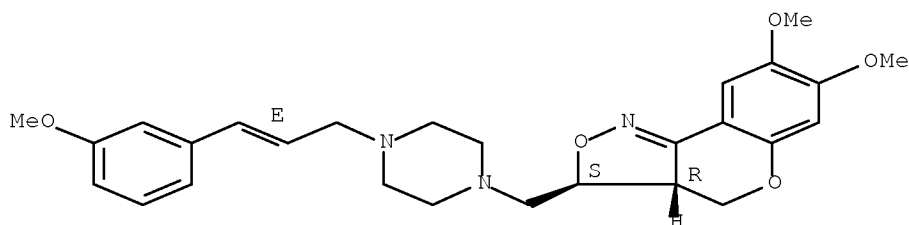
Rotation (-). Absolute stereochemistry unknown.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 16 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 753443-75-3 REGISTRY
 ED Entered STN: 29 Sep 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(3-methoxyphenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H33 N3 O5
 CI COM
 SR CA

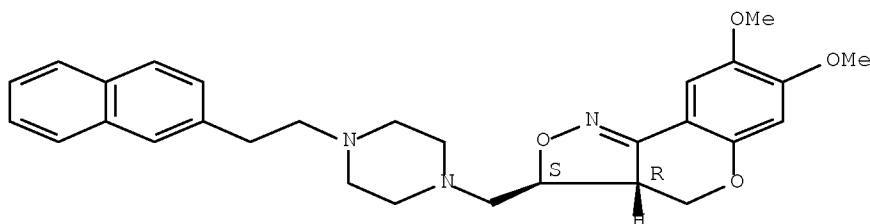
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 17 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 752196-48-8 REGISTRY
 ED Entered STN: 27 Sep 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[2-(2-naphthalenyl)ethyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C29 H33 N3 O4
 CI COM
 SR CA

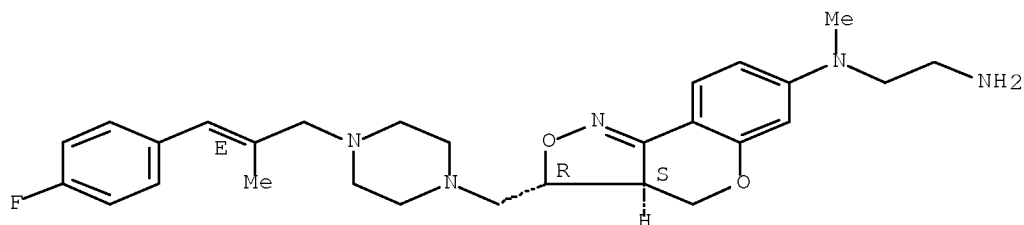
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 18 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 751478-71-4 REGISTRY
 ED Entered STN: 26 Sep 2004
 CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N-methyl-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H36 F N5 O2
 CI COM
 SR CA

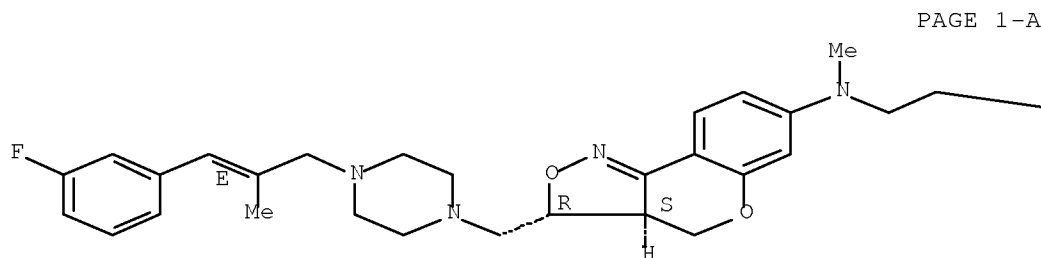
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 19 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 748767-44-4 REGISTRY
 ED Entered STN: 21 Sep 2004
 CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(3-fluorophenyl)-2-methyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C30 H40 F N5 O2
 CI COM
 SR CA

Relative stereochemistry.
 Double bond geometry as shown.



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—NMe₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

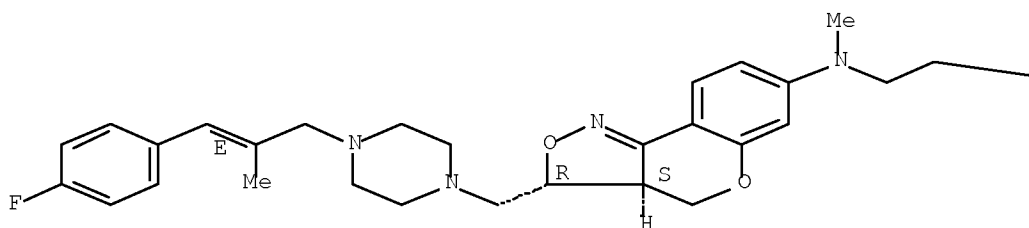
L20 ANSWER 20 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 746603-79-2 REGISTRY
 ED Entered STN: 17 Sep 2004
 CN 1,2-Ethanediamine, N-[(3R,3aS)-3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-

propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]-N,N',N'-trimethyl-, rel- (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C30 H40 F N5 O2
CI COM
SR CA

Relative stereochemistry.
Double bond geometry as shown.

PAGE 1-A



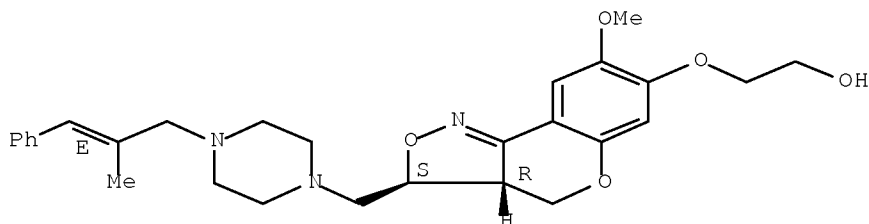
PAGE 1-B

—NMe₂

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 21 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
RN 742690-14-8 REGISTRY
ED Entered STN: 12 Sep 2004
CN Ethanol, 2-[[[(3R,3aS)-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-yl]oxy]-, rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C28 H35 N3 O5
CI COM
SR CA

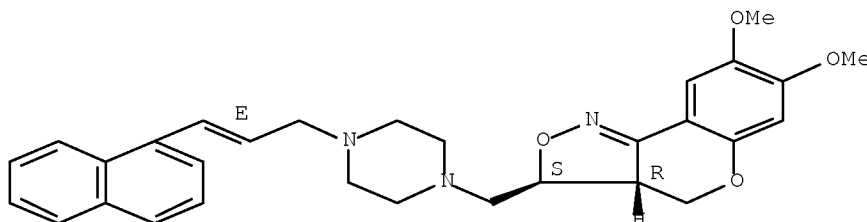
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 22 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 740078-04-0 REGISTRY
 ED Entered STN: 06 Sep 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-3-(1-naphthalenyl)-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI)
 (CA INDEX NAME)
 FS STEREOSEARCH
 MF C30 H33 N3 O4
 CI COM
 SR CA

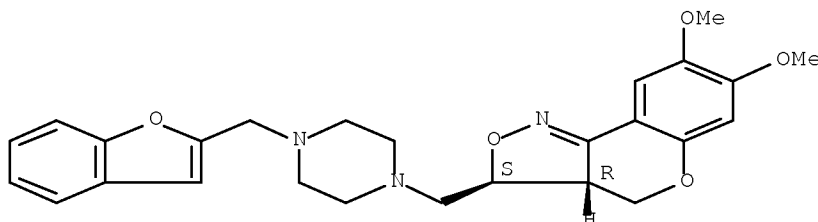
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 23 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 739359-45-6 REGISTRY
 ED Entered STN: 05 Sep 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-(2-benzofuranylmethyl)-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
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 CI COM
 SR CA

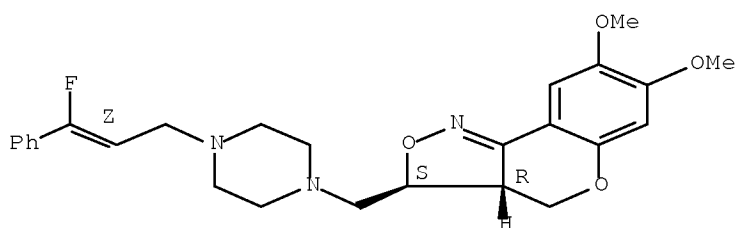
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 24 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 737750-39-9 REGISTRY
 ED Entered STN: 02 Sep 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2Z)-3-fluoro-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H30 F N3 O4
 CI COM
 SR CA

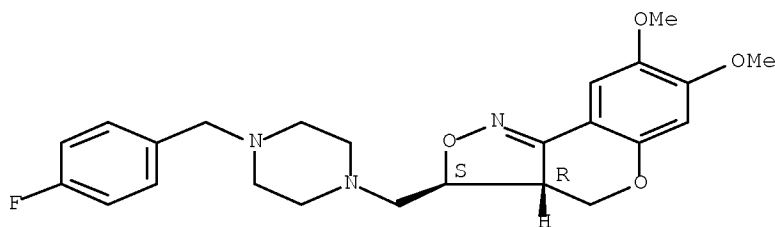
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 25 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 734528-01-9 REGISTRY
 ED Entered STN: 27 Aug 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(4-fluorophenyl)methyl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H28 F N3 O4
 CI COM
 SR CA

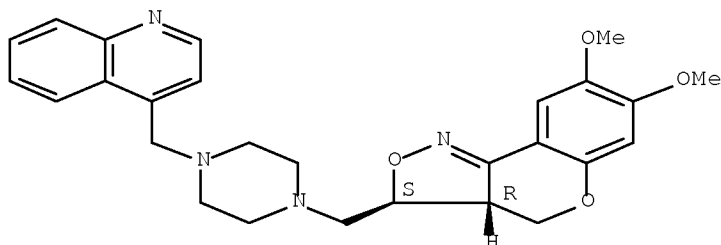
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 26 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 692257-06-0 REGISTRY
 ED Entered STN: 11 Jun 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-(4-quinolinylmethyl)-1-piperazinyl]methyl]-, (3R,3aS)-rel- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C27 H30 N4 O4
 CI COM
 SR CA

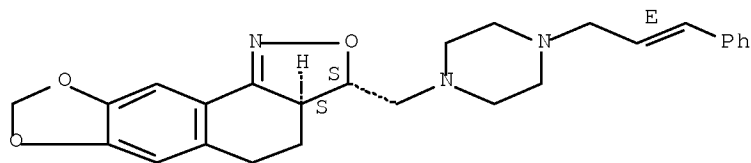
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 27 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 687633-36-9 REGISTRY
 ED Entered STN: 31 May 2004
 CN [1,3]Dioxolo[6,7]naphth[1,2-c]isoxazole, 3,3a,4,5-tetrahydro-3-[[4-[(2E)-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aR)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H29 N3 O3
 CI COM
 SR CA

Relative stereochemistry.
 Double bond geometry as shown.



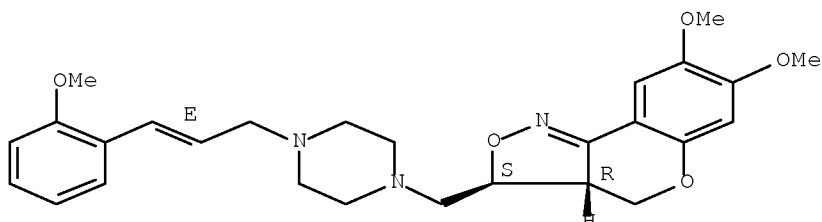
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L20 ANSWER 28 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 682329-62-0 REGISTRY
 ED Entered STN: 16 May 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-7,8-dimethoxy-3-[[4-[(2E)-

3-(2-methoxyphenyl)-2-propenyl]-1-piperazinyl)methyl]-, (3R,3aS)-rel-
(9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C27 H33 N3 O5
CI COM
SR CA

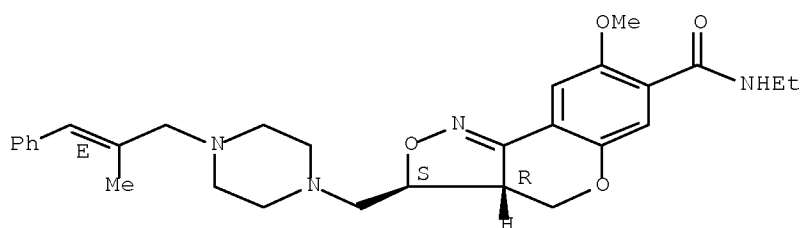
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 29 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
RN 663933-75-3 REGISTRY
ED Entered STN: 17 Mar 2004
CN 3H-[1]Benzopyrano[4,3-c]isoxazole-7-carboxamide, N-ethyl-3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C29 H36 N4 O4
CI COM
SR CA

Relative stereochemistry.
Double bond geometry as shown.

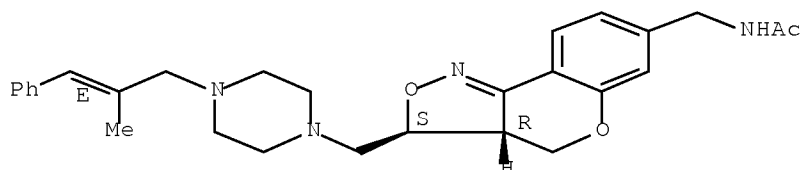


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 30 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
RN 663933-73-1 REGISTRY
ED Entered STN: 17 Mar 2004
CN Acetamide, N-[[[(3R,3aS)-3a,4-dihydro-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl)methyl]-3H-[1]benzopyrano[4,3-c]isoxazol-7-

yl]methyl]-, rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C28 H34 N4 O3
 CI COM
 SR CA

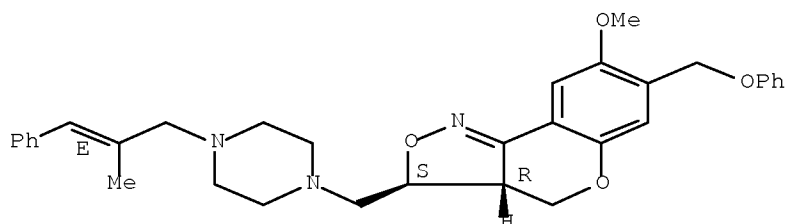
Relative stereochemistry.
 Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 31 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 663933-67-3 REGISTRY
 ED Entered STN: 17 Mar 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(phenoxymethyl)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C33 H37 N3 O4
 CI COM
 SR CA

Relative stereochemistry.
 Double bond geometry as shown.

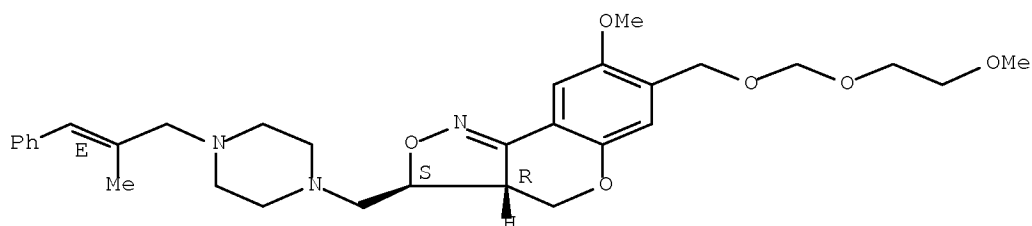


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 32 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 663933-64-0 REGISTRY
 ED Entered STN: 17 Mar 2004
 CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-7-[[[(2-methoxyethoxy)methoxy]methyl]-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C31 H41 N3 O6

CI COM
SR CA

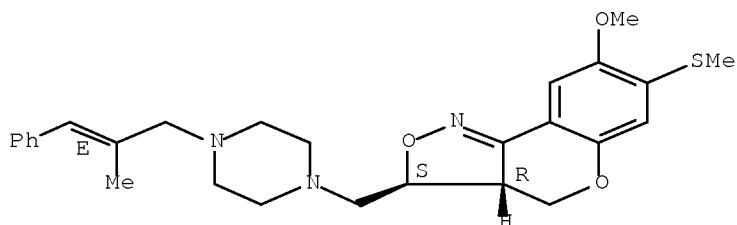
Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L20 ANSWER 33 OF 33 REGISTRY COPYRIGHT 2008 ACS on STN
RN 452320-33-1 REGISTRY
ED Entered STN: 18 Sep 2002
CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3a,4-dihydro-8-methoxy-3-[[4-[(2E)-2-methyl-3-phenyl-2-propenyl]-1-piperazinyl]methyl]-7-(methylthio)-, (3R,3aS)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H33 N3 O3 S
CI COM
SR CA

Relative stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

REFERENCES FOR COMPOUNDS FROM REGISTRY SEARCH

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 FILE LAST UPDATED: 13 Jan 2008 (20080113/ED)

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L9 STR
 L12 614 SEA FILE=REGISTRY SSS FUL L9
 L13 12 SEA FILE=CAPLUS ABB=ON L12

=> s l13 not l19
 L21 2 L13 NOT L19 L19 ANSWERS PRINTED WITH INVENTOR SEARCH

=> d ibib abs hitstr l21 1-2

L21 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:760314 CAPLUS Full-text
 DOCUMENT NUMBER: 141:384410
 TITLE: A screening strategy for the development of enantiomeric separation methods in capillary electrophoresis
 AUTHOR(S): Jimidar, M. Ilias; van Ael, Willy; van Nyen, Patrick; Peeters, Margot; Redlich, Dirk; de Smet, Maurits
 CORPORATE SOURCE: Pharmaceutical Research & Development (J&J-PRD) A division of Janssen Pharmaceutica n.v., Global Analytical Development, Johnson and Johnson, Beerse, Belg.
 SOURCE: Electrophoresis (2004), 25(16), 2772-2785
 CODEN: ELCTDN; ISSN: 0173-0835
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Method development of enantiomeric sepns. in capillary electrophoresis (CE) is a time-consuming task, since finding the appropriate chiral selector is usually a "trial and error" process. It is impossible to predict the selectivity of a selector towards a certain enantiomer. Therefore, the

affinity of all selectors has to be examined one at a time. In order to speed up this process, a strategy is proposed based on simple exptl. design methodol. The approach includes first a screening in function of the pH to determine the optimal migration conditions followed by a selection of the right chiral selector by means of Taguchi designs. In the approach several variables, such as the type and concentration of cyclodextrin, the concentration of buffer electrolyte, and the percentage of organic modifier, are varied simultaneously to find initial separation conditions rapidly. The resulting initial separation conditions can be optimized in further steps to be more reproducible. We discuss the results of the approach when applied on a number of selected compds. that are recently in development at Johnson & Johnson - Pharmaceutical Research and Development. Parameters, such as quality of the separation and anal. time, are evaluated to determine initial separation conditions for each compound

IT 452318-73-9

RL: ANT (Analyte); ANST (Analytical study)

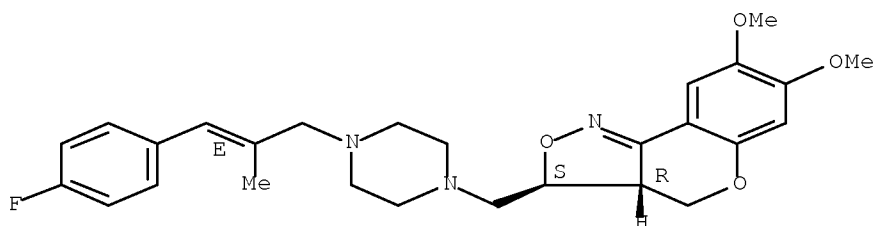
(screening strategy for development of enantiomeric separation methods in capillary electrophoresis)

RN 452318-73-9 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

Double bond geometry as shown.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:892834 CAPLUS Full-text

DOCUMENT NUMBER: 139:365764

TITLE: Diblock copolymers for use in pharmaceutical dosage forms

INVENTOR(S): Arieen, Albertina Maria Eduarda; Brewster, Marcus Eli; Nathan, Aruna; Rosenblatt, Joel; Ould-Ouali, Louisa Myriam; Preat, Veronique

PATENT ASSIGNEE(S): Janssen Pharmaceutica N.V., Belg.

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003093344	A1	20031113	WO 2003-EP4368	20030424

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2483282 A1 20031113 CA 2003-2483282 20030424
 AU 2003222310 A1 20031117 AU 2003-222310 20030424
 EP 1504047 A1 20050209 EP 2003-717321 20030424
 EP 1504047 B1 20071212

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

BR 2003009688 A 20050222 BR 2003-9688 20030424
 NZ 536294 A 20050527 NZ 2003-536294 20030424
 CN 1649932 A 20050803 CN 2003-809579 20030424
 JP 2005524730 T 20050818 JP 2004-501483 20030424
 AT 380834 T 20071215 AT 2003-717321 20030424
 MX 2004PA10778 A 20050307 MX 2004-PA10778 20041029
 ZA 2004008854 A 20051102 ZA 2004-8854 20041102
 NO 2004005283 A 20050107 NO 2004-5283 20041202
 US 2006034797 A1 20060216 US 2005-522456 20050121

PRIORITY APPLN. INFO.:

US 2002-377901P P 20020503
 WO 2003-EP4368 W 20030424

AB In a diblock copolymer of formula A-B, polymer block A represents a linear pharmaceutically acceptable hydrophilic polymer and polymer block B represents a polymer comprising monomers selected from L-lactic acid, D-lactic acid, D,L-lactic acid, glycolic acid, propiolactone, γ -butyrolactone, δ -valerolactone, γ -valerolactone, ϵ -caprolactone, trimethylene carbonate, p-dioxanone, tetramethylene carbonate, ϵ -lactone, 1,5-dioxepan-2-one or mixts. thereof characterized in that the diblock copolymer is liquid at a temperature below 50°. A polymer was prepared from ϵ -caprolactone, trimethylene carbonate, and polyethylene glycol monomethyl ether initiator.

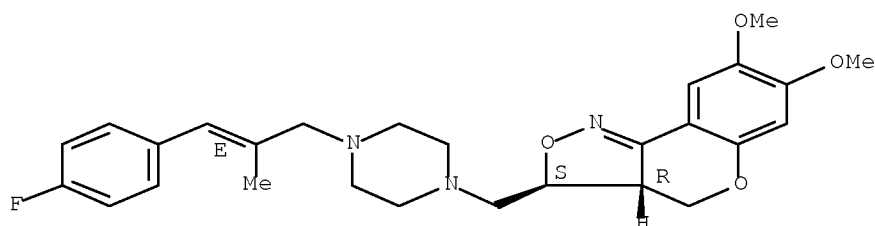
IT 452314-01-1

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (diblock copolymers for use in pharmaceutical dosage forms)

RN 452314-01-1 CAPLUS

CN 3H-[1]Benzopyrano[4,3-c]isoxazole, 3-[[4-[(2E)-3-(4-fluorophenyl)-2-methyl-2-propen-1-yl]-1-piperazinyl]methyl]-3a,4-dihydro-7,8-dimethoxy-, (3R,3aS)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.
 Double bond geometry as shown.



REFERENCE COUNT:

11

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FILE CONTENT: 1961-PRESENT VOL 148 ISS 2 (20080111/ED)

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US	2007276042	29	NOV	2007
DE	202007010952	22	NOV	2007
EP	1860709	28	NOV	2007
JP	2007318072	06	DEC	2007
WO	2007137513	06	DEC	2007
GB	2438402	28	NOV	2007
FR	2901275	23	NOV	2007
RU	2311402	27	NOV	2007
CA	2584745	13	OCT	2007

Expanded G-group definition display now available.

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=> S L12

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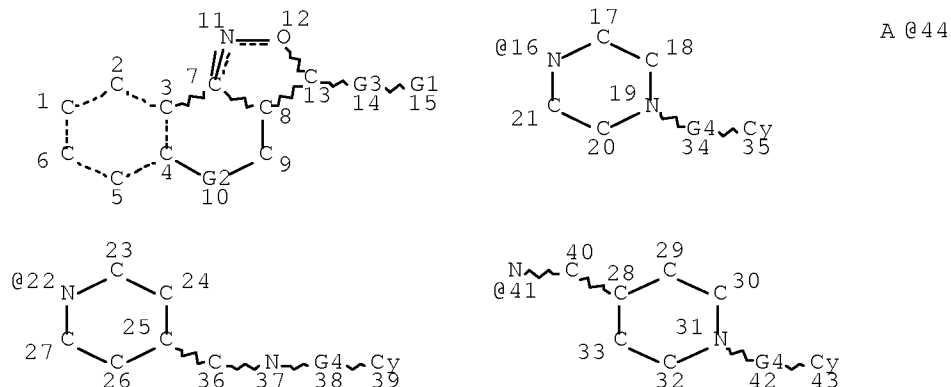
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L9 STR



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REP G3=(1-4) CH2

REP G4=(1-6) 44

NODE ATTRIBUTES:

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MLEVEL IS CLASS AT 35 39 43 44

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 44

STEREO ATTRIBUTES: NONE

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100.0% PROCESSED 937 ITERATIONS

614 ANSWERS

SEARCH TIME: 00.00.01

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E US2005-524989/APPS

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D SCAN

SEL RN

FILE 'REGISTRY' ENTERED AT 12:12:38 ON 14 JAN 2008

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 I OR 452321-63-0/BI OR 452321-65-2/BI OR 452321-67-4/BI OR
 452321-69-6/BI OR 452321-71-0/BI OR 504-24-5/BI OR 667454-35-5/

BI OR 667454-36-6/BI OR 667454-37-7/BI OR 667454-38-8/BI OR
 667454-39-9/BI OR 667454-40-2/BI OR 667454-41-3/BI OR 667454-42
 -4/BI OR 667454-43-5/BI OR 667454-44-6/BI OR 667454-45-7/BI OR
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 D SCAN

L3 STR
 L4 27 SEA SSS SAM L3
 L5 1 SEA ABB=ON L4 AND L2

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L6 10 SEA ABB=ON L4

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 L8 27 SEA SSS SAM L7
 L9 STR L7
 L10 27 SEA SSS SAM L9
 L11 937 SEA SSS FUL L9 EXTEND
 L12 614 SEA SSS FUL L9
 SAVE TEMP L12 SHT989FULL/A

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 L15 52 SEA ABB=ON ALCAZAR VACA M?/AU OR ALCAZAR M?/AU OR VACA M?/AU
 L16 152 SEA ABB=ON MATESANZ BALLESTEROS M?/AU OR MATESANZ M?/AU OR
 BALLESTEROS M?/AU
 L17 258 SEA ABB=ON BAKKER M?/AU
 L18 85 SEA ABB=ON MEGENS A?/AU
 L19 10 SEA ABB=ON (L1 OR L14 OR L15 OR L16 OR L17 OR L18) AND L13

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L20 33 SEA ABB=ON L12 NOT CAPLUS/LC

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D STAT QUE L12
 D QUE NOS L20
 D IDE L20
 D IDE L20 2-33

FILE 'CAPLUS' ENTERED AT 12:24:59 ON 14 JAN 2008

D QUE NOS L13
 L21 2 SEA ABB=ON L13 NOT L19
 D IBIB ABS HITSTR L21 1-2

FILE 'MARPAT' ENTERED AT 12:25:39 ON 14 JAN 2008

FILE 'HOME' ENTERED AT 12:25:49 ON 14 JAN 2008

D STAT QUE L12

=>